

THE AMERICAN BIFENNIAL



TAMPA POLICE SHOOT WAY TO VICTORY



WITH PETERS
"POLICE
MATCH"



This story should be entitled "Local Boys Make Good". It tells how the Tampa Police Team entered the National Mid-Winter Pistol Matches, held in their own home town on March 12-16, 1940—and came through the winners in the Hav-A-Tampa Trophy Team Match. It was shot over the National Match Course, and out of 19 entries, the Tampa team was first with a score of 1122—shooting Peters Police Match ammunition! Then, not to be outdone by his team, Ralph L. Kirk of the Tampa Police won the .22 Timed Fire Match, scoring 199, also shooting Peters Police Match.

Another group of Florida shooters won the Firestone Trophy Team Match at Tampa with Peters Police Match—the U. S.

Naval Air Station Team from Pensacola—coming through with a score of 1147! Team members were Sgt. T. E. Barrier, T. R. Mitchell, M. W. Billing and M. A. Pope.

And by way of keeping the story in the Florida family—Jack Howard of the Miami Police Department did some tall shooting with Peters Police Match at the Flamingo Open Pistol Tournament, Coral Gables, Florida, March 19 to 23, 1940. He won the Center Fire Rapid Fire match with a 195.

In this same tournament, Charles Askins, Jr. of El Paso, Texas, won first place in the .45 cal. Timed Fire Match with a 197, shooting Peters Police Match.

THREE NATIONAL RECORDS BROKEN IN ONE DAY BY TEXAS STATE POLICEMEN AND ARMY SERGEANT, SHOOTING PETERS "POLICE MATCH"



March 9th was the day of the registered gallery matches held by the Pistol Division of Bayou Rifles, Houston, Texas.

It was also the day of Don Lawrence, Texas State Police, and Sergeant H. W. Wilzewski, Barksdale Field, La.—both of these shooters using Peters Police Match Ammunition!

With 52 competitors taking part in this tournament, Don Lawrence swept the field—winning five matches, *two of them with scores that made new national records!* And Sergeant Wilzewski didn't do so badly himself, winning two matches, *and making a new national record in one of them!* Such record-breaking performance is a high tribute to the accuracy and uniformity of Peters Ammunition!

HERE ARE THE ACTUAL SCORES OF THESE TWO CONTESTANTS:

DON LAWRENCE

20 shots, slow fire, .22 cal.—score 190
(a new national record).
20 shots, timed fire, .22 cal.—score 197
(another new national record).
20 shots, rapid fire, .22 cal.—score 194.
20 yards, 3 stages, .22 cal.—score 288.
.22 cal. aggregate—score 869 x 900.

SGT. WILZEWSKI

20 yards, 3 stages, center fire—score 282 x 300 (a new national record)—using .32 Peters Police Match.
Center fire aggregate, score 818 x 900—using Peters Police Match, .32 cal.

PETERS DU PONT
PETERS CARTRIDGE DIVISION, Remington Arms Co., Inc., Bridgeport, Conn.
MEMBER AMERICAN WILDLIFE INSTITUTE, "FOR A MORE ABUNDANT GAME SUPPLY"



Rustless and Target are Reg. U. S. Pat. Off.,
Police Match and Oil-Tite are trademarks of
Peters Cartridge Division.

INTRODUCE YOUNG AMERICA



TO THIS HEALTHFUL SPORT



Nearly every boy and many girls take naturally and eagerly to rifle shooting if given opportunities to practice it.

No one understands the great benefits, physical and mental, that rifle shooting confers on boys and girls, better than do the men who are devoted to the sport

It is hardly necessary to remind rifle-shooting fathers to start their children early on the road where they themselves have found so much pleasure, relaxation, and healthful exercise.

But in the areas of dense population where so many of us live, safety restricts opportunities for shooting; and often the existing opportunities are unknown to boys and girls who would other-

wise gladly take advantage of them.

In most communities there are rifle ranges where young shooters are welcomed and where they may receive competent instruction. If you do not know the location of such ranges, the information is readily available through the National Rifle Association.

The Junior N. R. A. provides interesting booklets for members, and tests of skill for those who enjoy the spur of competition.

Boys and girls may find out about these things for themselves. But there are many who will not do so without help and encouragement from their elders.

Let's all accept the obligation to bring more of young America to the rifle range this year.



SPORTING POWDER DIVISION

HERCULES POWDER COMPANY

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980 KING STREET, WILMINGTON, DELAWARE

It Is May and We Are Mindful



With the advent of spring we are mindful of the fact that outdoor shooting is the favorite pastime of many shooter-sportsmen, and we believe that the National Rifle Association can help these folks get the maximum enjoyment out of their guns.

So, in order to emphasize the value of N. R. A. services to outdoor shooting enthusiasts, we offer this month a free copy of any instruction bulletin listed on this page, in combination with annual membership, which includes a subscription to *THE AMERICAN RIFLEMAN*.

The new series of bulletins described at the right has been prepared by the staff of the National Rifle Association, in many cases with the assistance of independent authorities with national reputations. All of them have been written by shooters for shooters, without commercial bias, and much of the material is condensed from articles previously published in *THE AMERICAN RIFLEMAN*. The bulletins are offered to members at a nominal price covering cost of printing. But, during the month of May, *any one of the booklets will be sent free to each sportsman who uses the accompanying application to join or rejoin the N. R. A.*

Active membership, including all the services of our Association, is available to every good American and a 12-month membership-subscription costs but \$3.00 (\$5.00 for two years). May is the ideal month to join. Please use the special application blank below to enlist a friend if you already are a member.



SERVICE BULLETINS for the Shooter

- 1. A-B-C OF PISTOL SHOOTING.** A useful, instructive bulletin, generously illustrated, and written by one of the top-notch handgun shooters of America. Pocket size, 30 pages; **price, 10 cents.**
- 2. FROM TYRO TO MASTER.** A basic manual on rifle shooting form, and fundamentals containing the kind of material the beginner demands and the average shooter needs. Pocket size. Available May 15; **price, 25 cents.**
- 3. AMERICAN SIGHTING SCOPES.** Especially useful to the man who is interested in buying a telescopic rifle sight. Pocket size, 48 pages; **price, 10 cents.**
- 4. REMODELING MILITARY RIFLES.** Actually, the step-by-step instructions tell how to make a sporting rifle out of the Model 1917 Enfield, caliber .30-'06 government rifle. Pocket size, 48 pages; **price, 25 cents.**
- 5. SMALL BORE RIFLE RULES, 1940.** It illustrates the approved shooting positions and defines range distances, targets, equipment and rules for conduct of small bore rifle matches. Pocket size, 36 pages; **price, 10 cents.**
- 6. PISTOL RULES, 1940.** The official National Rifle Association shooting rules for pistol and revolver matches. Pocket size, 28 pages; **price, 10 cents.**
- 7. RIFLE SHOOTING INSTRUCTION.** Because the fundamentals of rifle shooting instruction apply to youngsters and oldsters alike, this manual is widely endorsed by adults as well as juniors. Size 6" x 9". 68 pages; **price, 25 cents.**
- 8. JUNIOR INSTRUCTION TRAINING COURSE.** A complete "correspondence course" for adults who wish to learn how to instruct others in rifle marksmanship. Size 6" x 9"; 66 pages; **price, 25 cents.**

NATIONAL RIFLE ASSOCIATION APPLICATION FOR ACTIVE MEMBERSHIP

Secretary, NATIONAL RIFLE ASSOCIATION,
Scott Circle, Washington, D. C.

I believe in the aims and purpose of the N. R. A. and I also wish to enjoy the benefits of membership, including the monthly issues of *THE AMERICAN RIFLEMAN* magazine.

I enclose my remittance of ☐ \$3.00 for 1 year ☐ \$5.00 for 2 years for which please enroll me for the term indicated and send me the free instruction manual(s) number.....

NAME..... AGE.....

STREET.....

CITY..... STATE.....

Endorsed as a good U. S. Citizen-Sportsman over 18 by:

NAME..... ☐ Annual ☐ Life Member

ADDRESS.....

CITY..... STATE.....



BENEFITS OF N. R. A. MEMBERSHIP

- Your choice of the new instruction bulletins (two bulletins if you join for 2 years).
- Your monthly visitor — *THE AMERICAN RIFLEMAN*.
- An opportunity to compete in Registered Tournaments and to qualify with rifle or pistol at home.
- The privilege of buying government rifles and ammunition from the War Department.
- Active partnership in one of the nation's oldest and best known patriotic associations.

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By Hi-Tone Photo Service, Miami, Florida. Shows firing line of the Palmetto Pistol Club Range, Coral Gables, Florida.

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A NEW SPRING SONG

IT HAS BEEN A LONG JOB. Often it has been a discouraging job. Discordant notes have been struck, not only by those who knew nothing of the score, but—unbelievably—by those who long have played. The conviction that the theme was sound, the courage to build note after note, the faith of those who could see in the scattered stanzas the beginning of an anthem worthy of national acclaim—these, plus the steady guiding hand of a leader who would not be turned aside, have at last produced a tune new to America. A new song to be sung by the public press, but a tune sweet to the ears of the Nation's riflemen.

What is this new tune? Listen—

"The tragedy which took the life of a young Fort Worth boy, shot when a rifle in the hands of another boy discharged unexpectedly, emphasizes the danger that exists in the combination of boys and guns.

"Some will urge that rifles be taken away from boys. This should be done in the case of boys who have never been taught discipline and the proper handling of firearms.

"But we believe it is more realistic to take it for granted that boys will continue to be boys, and that there will be guns.

"There is a natural affinity between boys and guns. This is perfectly normal in our American heritage. Shooting is a wholesome sport when the shooting is made safe by knowledge and experience.

"... there is wholesome pleasure in using a rifle properly and safely. A few simple rules, if faithfully followed, will make any gun safe. Fathers who are familiar with firearms should teach their sons how to use them. Those who are not should see that someone else teaches them before they are trusted with firearms."

And listen!—

"We've just read another tragedy, resulting from the accidental discharge of a pistol . . .

"Too many deaths from this cause are recorded each year.

"We've tried in many ways to eliminate them by clamping down on the laws concerning firearms, but with little success.

"Since there are going to be firearms we might as well approach the problem by acquainting people with these weapons, just as we have greatly reduced death from drowning by establishing regular places for swimming instruction.

"Recently, this newspaper held its first metropolitan junior championship shoot, in which 50,000 shots were fired without anyone being placed in jeopardy.

"In this way, youths will be acquainted with the proper handling of firearms, and the death rate from avoidable accidents in this direction reduced."

And a third singer—

"The fact that most boys and many girls want to learn to shoot, and will experiment with small

rifles despite parental and other admonitions, has induced the Albambra and San Gabriel Police Departments to approve a campaign of instruction in shooting for boys and girls.

"This conclusion may be challenged by many who remember the havoc caused by youngsters with the indiscriminate use of firearms, but the thought in mind of those promoting the new idea is that it is better to train youth in the use of firearms than to chance the occasional ignorant firing of a rifle or a pistol." * * *

A last note—

"The last of March saw another serious firearms accident to a young Chevy Chase student. * * *

"For two consecutive years your Association has unanimously passed resolutions, and also the Northwest Council representing seven nearby Citizens Associations has acted to demand the completion of the Woodrow Wilson High School rifle range. * * *

"It is as natural for a boy to want to shoot a gun, as it is for him to breathe. * * *

"* * * If school buildings can be used for community dances, why can't we have clean rifle competition? We parents are at fault. * * *

All the above are quotations from newspapers received during the month of April. The first is from the "Fort Worth (Texas) Press"; the second from the "Philadelphia (Pa.) Daily News"; the third from the "Los Angeles (Cal.) Herald"; the last from the "Chevy Chase (D. C.) Citizen." The italics in each case are ours.

Accustomed to the sounding cymbals and crashing alarums of the old familiar song "There ought to be a LAW," with its refrain "Keep guns out of the hands of our children—and their parents," this new tune, sung during the period of a few weeks by the public press from coast to coast, brings a sweet, refreshing note to the jaded nerves of the oft-harassed gun-lover.

It is a new Spring song written from the record of dogged plodding and growing accomplishment of The National Rifle Association in developing a Junior Rifle Program founded upon safety training. It is a record of fourteen years of devoted effort by men many of whom were forced to work without the aid of their local senior clubs because the "old-timers" did not want to "be bothered with a bunch of kids."

The sane and sensible tune now being sung is the most favorable publicity the game could hope to receive. It is one more evidence of the necessity of a National Association with the vision to look far ahead, the organization to continue a long-range program through fair weather and foul, and the courage to carry on against a hostile public attitude even as it risks the disaffection of some of its own members whose vision is clouded with near-sightedness.

Sportsmen of America, we give you a new refrain this Spring—get out your band, swell the chorus—"Teach Young America How to Shoot Safely."

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THE RIFLE IS FINISHED

By COL. H. P. SHELDON

IT WAS FEBRUARY, and in the little shop near Maiden Lane in the King's Town of Albany old Hans Richter, the riflemaker, was showing Henry Gove a bit of work he had just finished. It was the lock for a flintlock rifle. The rifle for which it was intended was now in the last stages of construction. The long octagonal barrel, brown as a nut, rested on two pegs above the bench, the breech plug screwed tight and complete with pan and frizzen, and now the lock was done. Many of the gunmakers of the times no longer troubled to fashion the locks for the guns they made but obtained them in rough or finished form from Europe. Lockmaking was a difficult craft and extremely trying to the temper and patience of the craftsman who had to shape springs, screws, pins and small parts with simple tools that often were of his own making. A single stroke with a file might ruin a part that had required hours for its fashioning, or perhaps a spring would snap short under compression, thus necessitating a repetition of the laborious processes of filing, fitting and tempering. Hans, however, had high standards and he never deviated from them, which was one reason, no doubt, why the men who risked life and livelihood on their rifles came to him despite the old fellow's gruff and crusty temperament.

The lock which he now put in Henry's hands was a model of strength, yet its weight was scarcely a third of that of a common musket lock. Hans' deft file, directed by his infallible sense of proportion, had removed every trace of superfluous metal; the parts moved like water when the cock was drawn back, and flashed into action too swift for the eye when the sear slipped from its notch. It looked a frail and delicate thing to endure the hard usage of wilderness adventure, of rain, and snow and heat and rough handling, and yet be always ready to flick into action at the touch of a finger when the moment of emergency came.

Henry eased the cock forward and back, admiring the perfect action.

"Lord! Ain't it pretty!" he exclaimed. "Looks too almighty fine to go into the big woods for real hard service, and I would so believe if I didn't know the man who made it."

"Vell, Henry," said Hans with a trace of pardonable satisfaction in his voice, "Ven dot lock iss wore out so she don't no longer strike mit der flint so quivick und strong like rattlesnakes I gif you der shop und der whole vorks. Yust you vipe it careful vunce und puts a leedle oil mit a feather. Dot's all. Der rifle, Henry, ain't no better from der lock on it. A badt lock dot don't go quivick like dot completely spoil der shootings from a gut barrel. Ven der sights iss on der target quivick der ball goes und not no

more time for viggles, ain't it? So ve makes it light und strong. Wore it oudt, Henry? No! Not neffer! Der closeness of der fittings don't lets it wear."

The old man turned again to his bench leaving Henry to digest this lecture on lockmaking. The door of the shop stood open and a wide band of sunlight fell athwart the worn planking of the floor. Henry could feel the warmth of it and hear the slow drip of snow water from the shingled eaves. At sunset the frost would close down once more, sharper and more intense than ever, congealing the snow into a heavy crust that would bear a pair of oxen, but on the following day the mounting sun would triumph again for a few hours, melting the jagged icicles and starting small trickles of water on the southward slopes and surfaces. Spring was in the air and the woodsman was restless and filled with a great longing to be free of the crowded uneventful life of the village. At any day now a soft wind would come up from the south to wear away the huge piled barricades of winter and start the sap moving in the trees. His thoughts went out to the cabin on the Otter and to Jemima Gove and their son, Robert Rogers, whom he had left at Skenesboro in the autumn. Unconsciously a sigh escaped him. Hans heard it and glanced at his friend.

"Ain't it in der Bible, Henry, about dot feller vent to work seven years for his sweetheart's papa so papa gifs it? Yop, dot iss der story. Vell, you ain't got to work no seven years for dot rifle, my poy. It don't take longs now. Yust making der stock und fitting der barrel und lock gut und close und strong. Next ve puts der sights on und loadts it und see how iss it she dids, hein? Maybe she don't hit der hen house even." He paused to contemplate this lugubrious possibility and to allow Henry to do the same. Then he added, "Und maybe she right off shoots *bee*-ootiful, Henry. Und then you will leave old Hans all by himself to work und cuss und yell ven goes der work wrong. Py Chiminy, Henry, if my belly ain't so big to do der valkings und der creepings in der voods, I would go mit you." He sighed regretfully over the disparity between his short, rotund body and the lean, finely drawn frame of the woodsman. Then from the rafters overhead he took down a long thick strip of seasoned maple, blew the dust from it and examined it closely, studying carefully the set of the grain and weighing the wood in his hands.

Before Gretchen came to announce supper a great heap of yellow shavings lay beneath the bench and the plank had assumed the aspect of a rifle stock. It was still oversize and clumsy, but throughout the two days that followed, the old man labored diligently and deftly with draw shave, rasp, floats, riffls and gauges, shaping the long forestock and the slender curving line of the graceful stock.



"While Henry melted a pot of lead at the forge, ran the balls and trimmed the sprues, the old man took the breech plug from the rifle barrel and set the barrel itself in a vise for bore sighting"

"I declare, Hans," remarked Henry, "it looks just as if it growed right in the tree natural, I swear it does!"

"Yop! Dot iss so," replied the other with a twinkle. "It vas in der log all right. I yust cut und shave until I comes to it, dot's all."

With the skill of long practice Hans proceeded to fit the barrel to the forestock, cut slots for the thimbles to hold the loading rod, and set the forging that engaged the breech plug. But before putting his chisel to the wood where the lock plate was to be bedded the old man made many careful measurements, marking out the position accurately with the point of an awl.

He explained the reason for this precaution to Henry.

"See, Henry, der flint must strike der frizzen yust so—not too soon—not too far. Too quivick der pan don't open—too far der sparks don't come. But ven it iss set yust right der sparks go, splick! right in der pan effry time. So ve go easy mit der fixin's!"

When the lock was finally bedded to suit him, the rifle-maker fitted a flint and tested it. At the touch of his finger on the trigger the flint drove down short and hard against the face of the frizzen and a bright thick stream of sparks spurted into the pan. The blow would have shattered the flint had it not been that it fell against a curved surface that yielded to the impact. Old Hans and many another rifle-maker of his time knew well the advantages of quick ignition.

"Now, Henry, ve is pretty soon ready to try der shootings. Here iss der mould cut from gut cannon brass. Run some bullets, poy, und tomorrow we vill see."

While Henry melted a pot of lead at the forge, ran the balls and trimmed the sprues, the old man took the breech plug from the rifle barrel and set the barrel itself in a vise for bore sighting. Slots for sights had already been cut in the upper flat of the barrel and into these Hans slipped brass blanks of varying heights until he had found the approximate elevations at which the true sights should stand above the barrel.

"It ain't quivite right, prob'ly," he explained as he replaced the breech plug and set the barrel into the stock, "but it gifs somet'ing und maybe saves filing und shooting und filing some more und swearings und hollerings," he added virtuously.

Thereupon he went to work with his indispensable file shaping a low rear sight of soft iron with an acute V cut in the center. Then he made a simple barley corn for the front slot.

The next morning they moved a bench into the yard and prepared for the trial of the new rifle. A sack of sand furnished a muzzle rest and a large square of paper with a black spot in the center was pinned against the log, 60 paces distant, at the end of the range. Then Henry measured the powder charge and poured it down the bore. Next he trimmed the linen patch, laid it upon the muzzle, centering it with the .45 caliber ball which he then sent smoothly home upon the powder with a single thrust of the rod. A pinch of powder in the pan and he was ready. The moment was charged with anxiety, for they were on the point of discovering the quality of the weapon so laboriously fashioned with their own hands from wood, iron and steel.

Neither spoke as Henry disposed himself and laid the barrel across the sack. A second later the sharp crack of the rifle broke the silence and a puff of white smoke drifted away in the spring sunshine. On the paper, perfectly visible at the distance, a round black hole, some inches above the aiming point and a shorter distance to the left of it, showed where the ball had struck.

"Shoots it vunce again, Henry," said Hans.

The woodsman did so and both saw that while there was still but a single hole in the paper, it was wider than it had been.

Without a word Hans seized the rifle, carried it inside the shop to the vise. In a minute or two he was back, still wordless, and passed the rifle to Henry who recharged it and fired. This time the shot hole appeared directly above the aiming point. Hans drew a thin fine file delicately through the notch of the rifle's rear sight and Henry loaded and fired again. The ball struck the black, but the old man would not put aside his file until Henry drove center with his sixth ball and, to prove it, put another on top of it.

Then Henry got slowly down from the bench and for a long minute the two exchanged looks full of relief and elation. They had made a true rifle.

"Py Chiminy, Henry!" the riflemaker broke out. "Gifs it gut shootings, don'dt it! Ain'dt neffer seen no better! Now, I toldt you vot to do. Run und fetch a pottle

schnapps quivick like lightnings und ve haf a trink und rejoice mit ourselfs und then ve gets to vork und finish up der stock, hein?"

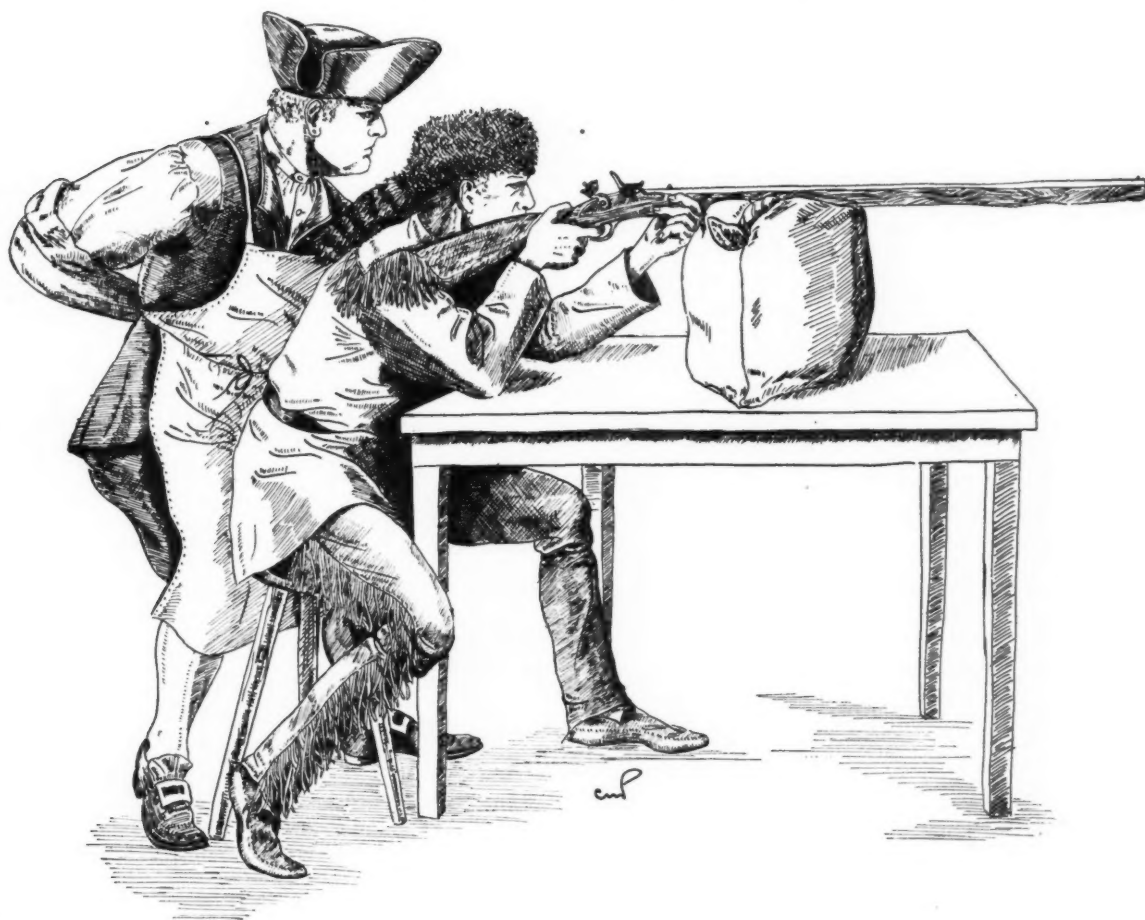
"That strikes me as a remarkably good idea, Hans," responded Henry.

The rifle was soon finished and on the day it was done Henry made his preparations for his return up the valley to Skenesboro. Hans promised to send his old rifle along to Skenesboro when the road opened, and to send also an assortment of gunmakers' tools and a small forge, for Henry intended to perfect his craftsmanship at his wilderness home on the Otter.

Being mindful of the curious delight women take in such things he found and purchased a china teapot complete with cups and saucers. The ware had blue pictures of heathen folks and outlandish houses on it. It was pretty and it cost him three golden sovereigns. The shopkeeper wrapped the stuff carefully in felt and paper and Henry tucked it away in his knapsack, together with a strange book called "Gul-liver's Travels," written by a man named Swift. That was for young Robert Rogers Gove.

That evening he paid his reckoning to his genial host at the tavern, drawing more of the heavy golden coins from a buckskin pouch and sliding them across the bar in the tap-room. Mynheer Van Sant proposed to drink a health to the occasion and summoned the other guests to join them. One of these, a lank, lugubrious personage in a seedy coat and

"Neither spoke as Henry disposed himself and laid the barrel across the sack"



soiled plum-colored breeches, engaged Henry in conversation concerning the route from Albany northward, but presently departed, having finished his mug of flip and seeing no promise that the host would provide another to take its place.

Old Hans accepted—with many protestations, however—a half-dozen of the stone bottles that held his favorite tippie. Both he and Gretchen were reluctant to have their friend depart. They only assented, apparently, in consideration of Henry's promise to return in the autumn.

Henry's heart was high when he awoke on the morning of departure. He washed, dressed and had his breakfast before a newly-kindled fire in the taproom. Back again in his room he took the new rifle from the corner and loaded it. Then he buckled his belt and slung his pouch and pack over his shoulder. Five minutes later he was out on the street and heading north with a stride that became longer and easier with every mile. A south wind brought to his ears the clamor of the hosts of wildfowl on the river and to his nostrils the smell of melting snow and leaf mould and the awakening life of forest and fen.

In an hour he had left the village far behind him. The woods closed down upon the trail, opening occasionally to allow the traveller glimpses of a clearing and a cabin. At times he heard the sound of an axe as some home-builder labored to win additional acres from the wilderness. At noon when he paused to munch a slab of cornbread and bacon he realized that he had seen no sign of human activities for an hour. Or almost none, he corrected himself, for the mud and melting snow of the trail bore evidence that another traveller had lately passed that way. Whoever he was, he was no woodsman, Henry saw, for the marks of his heavy boots betrayed him as one unaccustomed to such unstable footing.

"Probably some Dutchman going visitin', or mebber sparkin'," Henry reflected.

He was constantly being tempted to try his new rifle. Squirrels squalled at him with more impudence than they would have shown had they known how neat their saucy heads looked over the brown barrel. The air throbbed with the muffled drumming of partridges and a racoon poked an intelligent inquisitive visage over a limb of a lofty beech.

Now and then Henry paused to align his sights upon a tempting target as a way to become better acquainted with his rifle, but he refrained from firing, telling himself that it wasn't thrifty to waste powder and lead on more game than he could use.

"Along toward sundown I'll shoot a couple of squirrels or a pa'tridge for supper," he thought, picturing a comfortable bivouac under the stars, and the cheerful fire.

Rounding a turn of the trail his glance went ahead to take in a melancholy, dejected figure seated upon a log beside the path. Even at the distance Henry identified the long coat and plum-colored breeches of the stranger in the taproom. The man rose as Henry approached and gave greeting in the whining tones of the professional peddler.

"Good day, friend, I hadn't no idee you would travel in this direction so soon, or I would have sought your company. I am endeavorin' to make my way to the settlement called Fort Edward where I have business, but the rocks and roots and the prevalence of the cussed quagmires in the road have belated me and nigh about tuckered me out. I don't suppose you'd have a trifle of refreshment in your pouch, friend, to spare a weary man?"

"I ain't got any rum, if that's what you hanker for," replied Henry, half contemptuously, "but I guess I c'n find a hunk of corn bread if that'll do you any good."

He shifted his rifle to his right hand and with his left started to haul his hunting pouch to the front. For an instant while thus charitably engaged, his eyes were away from the peddler and in that moment something hard was jammed against his ribs. He did not need the sound of the double cluck of the pistol lock to inform him as to the nature of the object. He froze to instant immobility.

The stranger spoke and there was now no trace of the beggar's whine in his voice. His tones were level and expressionless, and it flashed into Henry's mind that this was not the first time the man had given orders over a cocked horse pistol.

"Drop the rifle, my bully boy, and hand over your poke, or I'll put an ounce ball into you!"

Henry, with sudden death under his elbow, thought fast.

"Have it your own way, Mister," said he without moving a muscle, "just so you don't pull that tricker. I'll be obliged, however, if you just let me lay my new rifle down easy. It goes against my grain to drop a good weapon."

"Do it then, you fool! It won't make much difference to you. But keep your hand clear of the lock!"

"Yes, Mister," replied Henry mildly and bent carefully to lay his weapon on the ground, while the outlaw watched him with cold, contemptuous eyes.

When his right hand was still a foot from the ground, the ex-Ranger let go the rifle and, quick as a panther, lunged against the plum-colored knees. The pistol roared and Henry felt a heavy shock between his shoulders, but his arm was around the other man's knees. The peddler struck viciously at his head with the pistol barrel but missed, and then in a flash he was down, with Henry's left hand on his throat and the other with a knife in it poised for a thrust.

"What have you to say?" Henry inquired.

"Uncle," said the outlaw, sullenly.

"I may have to kill ye yet, but for the present, stay where you be, you skunk, an' don't move a finger."

The woodsman relaxed his grip, rose to his feet and, without taking his eyes from his prostrate adversary, recovered his rifle, cocked it and slapped the breech to shake down the priming in the pan. He retired to a convenient boulder, still keeping the muzzle of his weapon on his attacker, sat down and slipped off his pack. The peddler's eyes followed every movement anxiously while Henry's left hand explored the contents.

After a long minute Henry spoke.

"Near as I c'n tell, you missed that blue chiny teapot by less'n an inch, Mister. Had you busted it I'd have felt constrained to give you the damndest welkin' you ever had."

The robber moved to sit up.

"Lay still, Mister!" warned Henry.

The other subsided.

"Now, I've got to figger out what's to be done with you. I don't want your comp'ny, but I can't turn a pizen snake loose to pester other folks. I *could* shoot you—you tried hard enough to plug me. Or I could slice off an ear so folks would know you for what you be."

The idea appeared to please him and he fingered the long knife thoughtfully.

His captive winced.

"Don't ye do it! Don't ye do it!" he begged.

"Don't like the idee? Well, then, I've got another one. There's a settlement four or five miles farther along, an' there must be some sort of a sheriff or King's Officer who'll probably be glad to see you and take charge of you until the hangman comes. I'll just march you along. Now, turn over on your belly, Mister."

The man rolled over and Henry warily secured his captive's wrists with a thong of buckskin from his pouch and then hauled him to his feet.

"March!" he commanded, "and no monkey business, unless you'd like the feel of a ball between your shoulder blades."

He stuck the empty horse pistol in his belt and prodded his prisoner along the trail.

They came into the settlement in an hour and Henry found, as he devoutly hoped he would, a sheriff's officer to take charge of the outlaw.

"There's been three or four folks turned up missing along the road lately," the Constable told Henry, "and it has been thought that Injuns got 'em, but your experience sort of makes me think that maybe the Injuns didn't do the dirty work after all. This posy looks as if he might know something about it. I'll take him back to Albany, Mister, and see what we can find out about him."

Henry handed the pistol to the officer and prepared to depart. "I hate to leave him," said he. "Just as he is, with his hands tied behind him, he's terrible good company."

He was glad to be quit of his responsibilities, and lost no time in resuming his journey.

Late in the afternoon he found himself following the shore line of a pond. The ice had melted away from the banks, leaving an open space of water extending some yards out from shore. Scores of muskrats lay upon the ice or crawled about in the sunshine. Henry knew the succulent quality of broiled "marsh rabbit" and decided to shoot one for his supper, but as he prepared to do so he observed a much larger animal some distance ahead on the floe. He identified it as an otter.

"Now there's a pelt worth taking," he thought, "but if I shoot him on the ice, I'll have to swim for him, and this ain't scarcely a seasonable time for swimming."

He moved forward quietly until he was behind a tree well within range of the otter and there he stood watching the animal curiously. Evidently the otter was fishing, for it studied the open water intently and presently it slid soundlessly beneath the surface. A few seconds later the smooth, round head reappeared with a goodly fish in the mouth. It moved toward the shore where the animal emerged upon the muddy beach. There it paused for a second giving Henry time to line his sights on the butt

of one round ear. At the crack of the new rifle the otter went down with scarcely a quiver.

After duly admiring the beautiful coat the woodsman drew his knife and carefully removed the pelt. Then he picked up the two-pound trout that had been the otter's prey.

"Kinder mean to shoot ye and steal your coat and your supper, along with it, Mr. Otter," said he, "but I just learned the trick from a feller who tried it on me back on the road a piece. It appears to be dangerous country for folks that have anything worth taking."

The remainder of his journey was uneventful so far as adventures were concerned, but it did not seem so to Henry, who paused now and again to try the new rifle on inanimate targets at different ranges. With each shot his delight and confidence in the weapon increased and when he finally arrived at Skenesboro he was informed of the things that a man should know about his rifle.

Jemima and young Robert Rogers greeted the traveller joyfully and Jemima went into transports of admiration over her new china.

"Land sakes!" she exclaimed, "I'd have had a tantry-bogus fit if I'd known you were bringing that chiny all that way over the rough road. Why, Henry, you might have busted it!"

"Dum near did get busted once," said her husband. And that was all he ever told her of the man with the horse pistol.

"Drop the rifle, my bully boy, and hand over your poke"



THE MEXICAN MATCHES

By LIEUT. J. O. DIRCKS, *Los Angeles Police*

"SOUTH OF THE BORDER, DOWN MEXICO WAY," might well have been the theme song of a group of pistol shooters gathered in San Antonio, Texas, February 13th, by the National Rifle Association on their way south to represent the United States at the Sixth International Pistol Matches held in Mexico City, February 17th to 19th.

Included in this group were such well-known shooters as Team Captain Karl Frederick, former President of The National Rifle Association, and former Olympic Individual Champion; Alfred Hemming of Detroit, number one ranking pistol man in the United States for 1939, who from now on will be known, not as Al, but as "Ferdinand" Hemming; Emmett Jones of Los Angeles, 1939 allaround Camp Perry Pistol Champion; Harry Reeves of Detroit, ex-Marine and holder of more than one national world's record; Walter Walsh, F. B. I.'s "G-man" and well-known contribution to the shooting fraternity; Corporal Garfield Huddleston, U. S. A., not only a great pistol shot, but also a great wrestling referee—this latter point of view depending upon which contestant one bet his pesos on; Smitty Brown, of Tampa, Florida, the man who promotes the Mid-Winter Pistol Tournament; Ralph Marshall, of Lima, Ohio, top-ranking civilian pistoleer in 1939, and member of the 1936 Olympic Team; Norman Adair, of Yuma, Arizona, who represented both the Yuma Chamber of Commerce and the United States (the way Norman got out and distributed pamphlets would have brought joy to the hearts of Yuma citizens, and no one could question that he took his job seriously); Allyn Ferguson, of Ann Arbor, Michigan; and last, but far from least, another national record holder, Harold Cline, of San Antonio, Texas.

As each one arrived there was the usual handshaking and renewing of old acquaintanceships, as well as the last-minute scurrying around looking for luggage and gun kits. At last everybody was settled in the special Pullman, and we were on our way south to Laredo, Texas, where our train was held some five hours for customs inspection.

Next morning it was quite amusing to sit in the diner and see the amazed look come over faces as one after another looked at the breakfast menu, to find coffee \$1.50, ham and eggs \$8.00, etc. Of course all were very much relieved when they realized that these prices were in pesos, at six to one for our U. S. money.

Our train was due in Mexico City at 7:30 a. m. the 15th, but for some unknown reason it was four hours late, all of which did not disturb the train crew nearly as much as it did the rest of us.

Upon arrival we were given a grand reception. Captain Pierce, head of the Police Department Tourist Bureau, and every shooter's friend, was there to greet us, with many members of the Mexico City Police Pistol Team; and they had very thoughtfully brought along the Marachies Band, in their colorful Mexican attire, to serenade us in true Mexican style. We went first to the Carlton Hotel, where reservations had been made and where all of us were glad to rest for a while after the rather tedious train trip. During the afternoon the Police Department gave us our first view of the pistol range, and as can well be imagined, the boys were glad to "sight-in" and to familiarize themselves somewhat

with the special targets that were to be used in some of the matches.

Once on the firing line, the men really became conscious of the altitude (7500 feet). Many found it quite difficult, if not impossible, to hold their breath for the length of time required to squeeze off a shot at 50 meters. As time went on this shortness of breath wore off for some, but throughout our stay we were all conscious of the high altitude and thin air. No excuses need be offered for the scores—either individual or team—but undoubtedly points were lost by everyone due to the strange surroundings, high altitude, and cold nights and mornings with much higher temperatures around mid-day, as well as other new experiences which are the lot of every International Team.

The Mexican Police Range is patterned after the well-known Los Angeles Range, and lies on the southerly outskirts of the Mexican Capital City. A high fence and concrete wall completely surround the range, and throughout the tournament the entire enclosure was decorated with many flags.

The shooting building is two stories high, with all 50-meter firing done from the second level and 25-meter from the ground level. While the popular three-stage slow, timed, and rapid-fire course of fire familiar to every shooter in the United States is used in Mexico, the distance is measured in meters rather than yards. If you will keep this in mind when reading the scores, you will appreciate their excellence.

The 16th we again devoted to practice during the morning, with a Tea in the afternoon at the American Embassy, where we were graciously entertained by Ambassador Josephus Daniels and Mrs. Daniels; also a concert by the Mexican Tepica Band. This wonderful band is composed of approximately one hundred pieces, most of which are stringed instruments. They have made several tours of the United States in the past few years, and have played before most of the royalty of Europe. It is one of the finest bands any of us ever had the pleasure of listening to.

On the morning of the 17th we were up bright and early, as our conveyances were at the hotel at 7:45 a. m., to take us out to the range to begin the matches. Brigadier General J. Manuel Nunez, Chief of Police of the Federal District, was on hand with his staff to dedicate the opening and wish good luck to everyone. Captain Frederick started the competition by leading off in the Olympic Silhouette Match, which was won by General Gustavo Salinas of the Mexican Police, with a perfect score of 54, he having made a "possible" throughout the eight, six, and four second stages. Second place to Dario Hernandez, with 53. N. R. A. Team members had to be content with fourth place in this match, which was won by Harry Reeves, with 52.

All of the individual matches in Mexico this year were combined for the team totals. The teams were named in advance, but once over a course constituted both team and individual match. This was the case in the Olympic Silhouette Match, and the Mexico City Police won over the N. R. A. Team 258 to 254.

Each day we were served a most excellent box lunch at noon, and Harold Cline must have picked a particularly

good one the first day, for in the .22-caliber 50-Meter Slow Fire Match on Standard American Targets he scored a beautiful 191, to win by 4 points over Francisco Bustamante of Camp Perry fame. In this match Lloyd Ferril of Kansas City was second high, and as he was a U. S. shooter but not a member of our team we threatened to draft his services.

One of those situations arose in this match which, without the proper man on the job, are apt to spell disaster. Cline was squadded to fire in the first relay, but missed out due to language difficulties, and when he appeared for the second relay, no range officer had a place for him. Captain (Colonel to our Mexican friends from the first) Frederick learned of this, and after considerable running around (all the time carrying Cline's heavy shooting kit so as not to tire Cline), had the matter straightened out, and Cline "came through" as a result. All of us who were there can appreciate what this "box-carrying" would have done to Cline.

Those who have fired with and against Garfield Huddleston know that he can be counted on when needed, so in the last match of the first day, .22-caliber, slow, timed, and rapid fire—all at 25 meters, no one was much surprised when he totaled 298 x 300. Our other boys had begun to grow accustomed to things by this time too, and Hemming scored 296 for second, and Jones 293 for third. These scores also counted in a team match, which we won with 1467—23 points over our U. S. National Record for the shorter 25-yard Camp Perry Course.

The first match of the second day was one of real importance, although our team felt handicapped, as the course of fire was one that is seldom used any more in our U. S. tournaments. This was the Olympic Slow-fire Match of 60 shots per man at 50 meters on the International Pistol Target. No question but what this is a tough, hard course, and to the credit of our team they came through splendidly. Pedro Franco of Mexico won for the second year with 528 x 600, with his team mate Juan Chavez second with 523 x 600. Harry Reeves equaled Franco's 1939 winning score of 518, but this year it was good for no better than third place. Our team total was only 15 points under the Mexican Team's 2556 first place score, and all in all, everyone felt that a good job had been done over this strange course.

The Mexican program was drawn up quite similarly to many of those north of the Rio Grande, in that all .22-caliber matches came first, then those events open to .38-caliber (no smaller caliber in Mexico City), and last a .45-caliber match. This being the case, we fired the final .22-caliber match just before noon Sunday, over the "North American Course" (National Match at 50 and 25 meters instead of yards). When the bulletin was posted, three team members were seen to be tied for first, with 288 each. Hemming outranked Adair and Reeves, though, so they finished in that order, followed by that fine Mexican shot, General Salinas. These scores also counted for team scores, and here we won with 1425, which happens to be the present U. S. National Team Record over the National Match Course with .22's.

Jones and Hemming took first and second in the 50-meter Slow Fire Match with .38's. Jones had 186 and Al 182, which outranked the man who had won the Olympic Slow Fire Match the day previous—Pedro Franco.

In the extended Right and Left Hand Camp Perry Course (25 meters) Juan Chavez gave the boys another shooting lesson by scoring 292—seven points more than second place, which went to Norman Adair.

In the last standard-target match on the program—this time the "North American Course" with .38's—Hemming and Adair finished one, two, with 286, 285, respectively. Our team really warmed up in this event, taking the first six places. The lowest score was 276.

Everyone who has been to either Camp Perry or the Southwestern International Matches in San Diego during the past few years, is acquainted with the favorite Mexican match, the "Mexican Defense Course." Our friends from the land of Mañana excel in this type of silhouette speed-shooting, and proved their ability beyond doubt in the last match of the 1940 tournament. This match is fired with a .45-caliber automatic, targets being six Colt Silhouettes, placed side by side. The shooter assumes a position eight meters in front of the targets, his gun loaded with six cartridges, safety on, gun in holster, with flap buttoned down. When the whistle is blown he starts walking away from the targets, and when he has covered approximately two meters, a second whistle is blown, at which the shooter turns, draws, and fires six shots at one silhouette. He is given five seconds in which to turn, draw, and fire the six shots. After reloading, he again assumes the position on the eight-meter line, and repeats the performance of the first string, except that he fires one shot at each of the six silhouettes. The second half of the course is a repetition of the first, except that when the shooter turns he fires one shot from his standing position, then must advance toward the targets while firing the remaining shots, and must have reached his starting point by the time the five seconds has elapsed. There are a number of penalties connected with this match. For example, if one forgets to walk after firing his first shot in the last stage of the match, he is penalized 50 points for his failure to advance. He is also penalized ten points for each shell remaining in his gun after the five seconds has elapsed. This match was won by Andres Dias, Mexico City Police, with a 240 possible. Juan Chavez was in second place with 235; Francisco Bustamante, third, 235; Pedro Guerrero, fourth, 235; Leon Rivas of the Federal Highway Patrol, fifth, 230. Mexico City Police Team also took first place in this event, with a score of 1115. Mexico City Police Team No. 2 made second place, score 1100; United States Team No. 1, fourth place, score 1025.

As originally announced in THE AMERICAN RIFLEMAN, two teams were selected for the Mexican trip, one from the high Police and Service 1939 averages, and the other from the high Civilian averages of last year. From the foregoing I am sure you will appreciate how close the scores ran between the two "teams." Members of the "civilian team" fired the highest U. S. scores in several matches, and in all others did a masterful job.

On Sunday afternoon all of the American shooters and their families were guests of the Police Department at the bull fights, where we witnessed a very fine exhibition, the matadors killing six bulls during the afternoon.

On Monday evening, after the completion of the matches, we were guests of the American Club, and were given an evening's entertainment of wrestling, boxing, and music. Huddleston won his "spurs" here.

The following day we were all taken to Xochomilco, or "Floating Gardens", one of the most beautiful spots in Mexico. These gardens were originally built on rafts by the ancient Aztec Indians. We had a trip in gondolas through canals intersecting the gardens, and later enjoyed a delightful lunch, thoughtfully arranged by Captain Pierce. In the evening we at- (Continued on page 30)



A buck in the Sierras

GAME PRACTICE AT HOME

A HUNTING TRIP AFTER DEER or other game is more or less expensive, and while the recreation is worth all it costs, there is no denying the fact that venison or a trophy are the ostensible objectives and are more convincing than sunburn as evidence of hunting prowess. Preparations for a trip may be simple or complex but if such a trip can be made only occasionally, there are things to be considered besides the weight of the sleeping bag and the number of bars of sweet chocolate to be packed. It is difficult to go far wrong in the matter of equipment and food, and the gun and ammunition are either already determined or easily settled by a letter to the Dope Bag describing the game and territory to be hunted. Two other important factors remain to be considered—finding the game, and shooting it. The best insurance for the first is to go with experienced hunters to territory that they know is good, and then act as though the game has a scope sighted Winchester 70 and is able and willing to use it on you. It will be worth while to read carefully Van Dyke's book, "The Still Hunter," which can still be obtained from Macmillan for two "bucks"—and will get you ten. Also Newsom's "White Tailed Deer," (Scribner's) is convincing especially in the treatment of tracking scared and wounded deer. Shooting ability is a purely personal problem, and will determine the final result of the trip. The least effective preparation of which we have personal knowledge was made by the hunter who set his .30-'06 for about 600 yards and stated that he

was going to correct the sighting under actual hunting conditions by watching where the bullets landed when he shot at the game, and then adjusting the rear sight to give 100% hits. He had two chances but neither he nor anyone else ever knew where any of his bullets landed. Most game is sufficiently scarce and smart so that it should be obvious that a hunting trip is not the proper occasion for experimenting with sights or ammunition.

Learning to shoot a rifle safely and accurately without going out of the house is simple and inexpensive. When this practice is combined with the pleasant and valuable contacts of Rifle Club membership, a dyed-in-the-wool shooter is the result, but there is a real difference between deliberate fire at a target at known ranges and shooting moving game at unknown ranges. We have occasionally heard expressed in some form or other the conclusion that "target shooting is no help to a hunter." Needless to say, none of these oracles were able to offer even approximately odorless performances on either targets or game, and all of the testimony from good game shots is definitely to the contrary. Anything is possible, even learning without targets to hold a sight picture and to squeeze off a shot smoothly, but why do things the hard way? None of the precautions that are important to the target shooter are disregarded by the effective game shot. His resemblance to the range expert is as close as time and conditions will permit because he knows that the same fundamentals apply. On the other



Backgrounds and trap

By Arthur B. Clark and Arthur B. Clark, Jr.

hand, it isn't necessary to rank in the top ten at Perry before you begin to wonder what venison tastes like, and when you and the "chip" can consistently make $\frac{1}{2}$ or $\frac{3}{4}$ inch groups off hand with your hunting rifles at 20 feet, it is time to start thinking about hunting.

If you have a modern .30-'06 carefully sighted for 150 or 200 yards with the 150 grain Winchester Pointed Expanding or Remington Bronze Point, or a Winchester .270 with the 130 grain Winchester Pointed Expanding, it is safer to rely on the comparatively flat trajectory of the bullet than to try to correct for unknown ranges, at least until you are absolutely sure of your ability to estimate distances accurately. Similar considerations apply to the windage allowance. The wind will probably affect your aim more than it will affect the flight of the bullet, and "holding on" is much more reliable than "holding off." Leading moving game is not quite as simple and will be discussed later.

The shooter who consistently makes 6 inch groups on a fixed target while walking along the 100 yard firing point allowing 3 seconds to stop, turn and shoot will have a fair chance at deer, and the average person with competent instruction will show real progress at any type of rifle shooting after carefully studying the results of firing a few hundred rounds, but where can we get a hundred shots at deer and how long will it take?

Since we can't even go over to the range after supper to shoot at the running deer target, we have built one for

home use. It saves time and money and permits the frequent practice which is necessary for consistent progress. The pictures show the details of construction and operation of the target. We use an X-Ring Trap which is easy to handle and convenient for the recovery of lead, but an equally safe stop for indoor loads can easily be constructed. The motor is from a toy electric train but it is rather noisy, and any small A.C. or D.C. motor which can be geared down and is reversible by remote control would be as good or better. It can be bought with built-in reduction gears if you wish. The rest of the unit was built with a file and screw driver, or promoted. The belt is made of 0.005 inch shim brass and runs on ball bearing pulleys, but a piece of stranded wire running on grooved pulleys would be as good and would take up less room. The backgrounds are painted on cardboard and are easily repaired or replaced when they get shot up. The intermediate background is an unnecessary artistic (?) extra. The jumper for the deer is more complicated than it need be since we have found that there is enough sag in the belt so that the plunger and hold-down-spring on the deer support can be eliminated. It would be just as well to solder a cartridge case directly onto the belt (or flexible wire), with the nail that slides along the jumper rails soldered to the case, and our replacement units are so made. The primer pocket holds the match with the "deer" on the upper end. The scalloped rails which make the deer "jump" were cut out of a flattened tomato can. Since they

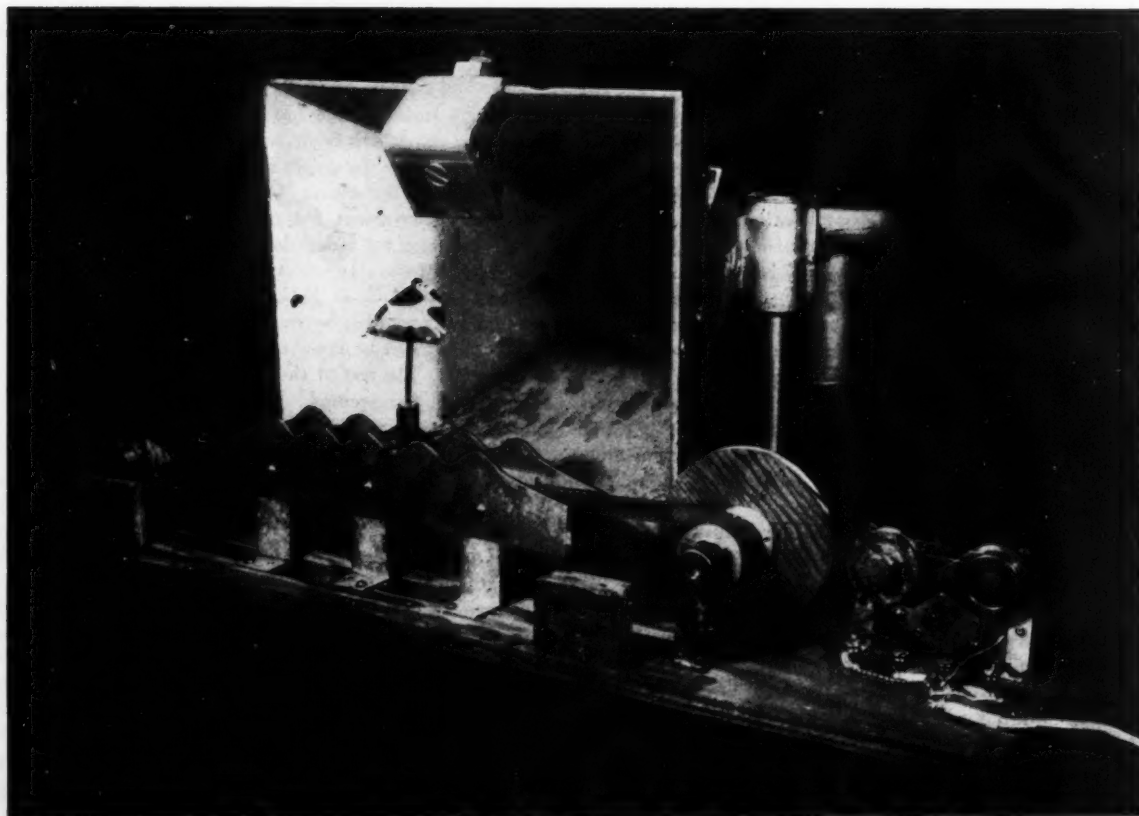
are held onto the upright brackets with 8-32 machine screws, they can be replaced easily with different shapes when we want to shoot jacks with the .22 autoloader. The belt tightener (the idle pulley is mounted on a hinge) is desirable since it makes assembling easier but it is not absolutely necessary. A double-pole double-throw switch back of the firing point reverses the current through the field (or armature) of the motor, and the rheostat permits varying the speed of the motor so that the deer is in sight from two to seven seconds as desired. Power is supplied by a toy train transformer at 12 volts. Five seconds running time takes about eight volts and one ampere. The power unit is housed in a metal tool box which has two transformers, a rectifier unit, volt- and am-meters, and rheostat so that it can be used for operating a variety of gadgets.

We are still using the Cramer No. 53 bullet in the .30-'06 case with two grains of Bullseye and the Winchester 120 primer. The "deer" are home printed (white on a black background) with printer's ink from a wood block on light weight cardboard, and are scaled equivalent to 250 yards or as desired. For training purposes we leave a black margin around the deer so that close misses can be evaluated and corrected. We shoot from the "ready" position, the gun being raised when the deer comes into sight from behind the bushes. The split match which supports the deer is blackened and permits rapid replacement. It looks easy at 20 feet but the assorted alibis that we get from some pretty good game shots are very entertaining. They won't believe that the target is scaled for 250 yards, and even

when they are convinced, they still think they should hit the deer every time. Perhaps the last real deer they got was only 75 yards away instead of the 275 it appeared to be. Knocking down moving deer with the first shot at 250 yards offhand is better than good shooting—it means holding the expert rating with the added handicaps of timed fire and moving target.

The results on the running deer target when related to actual shooting experience are very interesting. The "deer" is scaled for 250 yards, is exposed for five seconds and is moving relatively at about four miles per hour. Jack likes to shoot at targets and game but does not care for competitive target shooting. Hunting is his chief interest and he makes at least two trips each year. He accepts every chance at deer and shoots until the deer is down or out of sight. This explains his comparatively low game record but he never fails to bring back venison. His score on live deer is about 25% and he started on our target at 9%. He would get in two or three shots under these conditions and the score checks his experience in the field. Giff is an excellent competitive target shot at all ranges with big and small bore, and is close to championship performance in quick draw shooting. He does not care for hunting and has no score on deer. His initial score on our moving target is 20% which reflects his all around ability. John has hunted all over the West and in Alaska. He has schooled himself not to shoot unless he is sure of a kill. He makes about 80% on our deer standing but would not accept shots in the field corresponding to our deer in

Jumper, drive, and trap



motion on which his score is 15%. Alvin is better than expert with hand gun, rifle, and scattergun on targets or game. His score on deer in the field is 90% and on our target is 30%. This requires explanation and is discussed in connection with "lead." All of these are starting scores, that is, they are a measure of demonstrated shooting ability in terms of our target and do not represent the value of the target in training.

Our only data on the training value of the target are from the work of the "chip." He is qualifying for his Junior Distinguished rating but has not had much hunting experience. His score on live game is 100% for two easy chances, one standing (one shot) and one running (two shots) but both at less than 100 yards. After firing about 100 rounds at the stationary deer, he was getting over 50%. He started on the moving target at about 25% and 100 rounds raised his score to over 40%. Using a scope sighted .22 autoloader, he makes 35% which includes attempts at "doubles." The results confirm our suspicion that the second shot from an autoloader is worth more to Winchester than to the casual small game hunter. The bolt action is fast enough for accurate shooting in the West, though from our experience in Eastern second growth with a double shotgun, there might be a slight advantage with a .351 or .401 autoloader for deer in the Eastern woods.

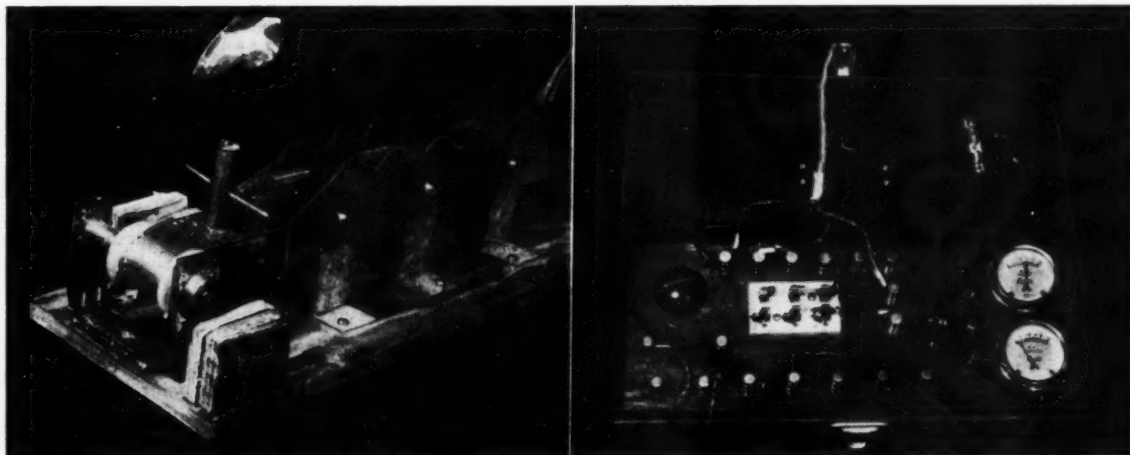
The problem of correct leads for moving game is very interesting. If speeds and distances are accurately estimated, the answer can be calculated on a slide rule if you have it handy, but this method is not recommended for deer hunters. A series of mental calculations based upon estimated figures including the relative apparent sizes of deer and the front sight also lacks appeal since it necessitates a mental break in the sequence of getting the sights on and the bullet off. Of all the systems that have come to our attention, that used by Alvin appears to be the simplest and most logical. It not only approximately satisfies the theoretical requirements, but has the additional advantages of being effective on our target and on game. His score as noted is 30% on the target and 90% on deer. The explanation is simply that all of his hits on the moving target are well forward, and half of his misses are close to and just ahead of the deer because he is leading instinctively.

If the bullet velocity could be scaled down to the same ratio as the deer size and distance, half of these misses would be hits. This would give him 65% kills on the first shot at 250 yards. A second shot would rarely be necessary at average deer ranges. His formula is: (1) bring the sights onto the moving deer from behind; (2) swing the front sight past (ahead of) the deer; (3) squeeze off the shot *as soon as the front sight is off the deer*; (4) clean the deer immediately. He does this automatically, but it is a habit which should be easily established by practice on the running deer target after training has brought the average up to 60% kills on the stationary target. It seems to us that it is worth a serious trial because the rifle must move faster than the deer to get ahead of it, and the slight delay in squeezing off the shot will give a variable lead which is greater for faster moving game.

While discussions such as this may be interesting and helpful, it is much more important to watch an experienced game shot in action on the running deer target. Close observation of such beautifully coordinated action will prevent the formation of bad habits. As the percentage increases, the deer can be colored brown, and the man at the rheostat can make it tougher by varying the speed of the deer. Try just bringing the deer into view, stopping it until the first shot is fired, and then running it for cover while the second shot is fired. The target can easily be built with two or more courses so you can run a buck and doe simultaneously. A few stages like these will make a popular program for a deer hunting evening, and the practice necessary to make good shooting at running game instinctive is inexpensive and plenty of fun for the hand loader and his friends.

We can be assured of a satisfactory hunting rifle and can learn to shoot it adequately at home, and we can buy reliable and effective ammunition, but after all, the most important factor in successful hunting is hunting ability. Few people can learn to hunt by reading of the experiences of others, but anyone can learn to hunt much more easily and quickly if the right kind of shooting ability has been acquired by constant practice. The confidence that goes with good marksmanship is invaluable.

Left: Deer mount and hinge support; right: Power house



This Handgun Game

By WALTER F. ROPER

MAYBE IT IS TRUE THAT CHEMICALLY the mess left in the barrel by modern non-corrosive ammunition is as fine a preservative as has been claimed, but somehow that dirty sludge has never struck me as really clean and I still prefer to leave my guns with the bore both clean and protected by a film of real oil. I don't enjoy cleaning a gun any more than the next one, but if a gun is worth owning at all I believe it deserves care, and I mean real cleaning, not just a quick swab out with a bit of shirt tail and then doused with any old oil. Furthermore the time to clean is right after you have finished shooting if for no other reason than that your hands are then dirty anyway and you can save one washing by doing the job right then.

Cleaning Rods

Cleaning is a combination of chemically dissolving, or at least loosening, the residue, and plenty of scrubbing. If necessary, a little extra amount of the latter will make up for a lack of solvent, although I find that Outer's Nitro Solvent makes the job a whole lot easier. The first and most important item for real cleaning is, however, a rod that is right and it seems to me that mighty little thought has been given to this humble, but important, implement. We have rods with ball bearing handles, and rods covered with celluloid, and rods that come apart, but the all important thing, the ability to carry a good big patch into the bore and cover a lot of surface, seems to have been completely forgotten, so as a starter I'm going to describe the kind of a rod I use, for it sure does give results with the least amount of work.

For many years I used the English Jag type of rod because with it a good big piece of cloth could be used, and that means a lot of surface scrubbed and a lot of absorbing done by one patch. The Jag is an unhandy thing to use, however, and one day I determined to see if it wasn't possible to make a simple button type of rod that would carry a real patch and still retain its advantage of ease of operation. Of course the difficulty of using a big patch on the button type of rod comes from the amount of cloth that folds up at the rear when the patch is pushed into the bore. All rods of the button type I have ever seen fail to provide room for this large amount of cloth and so only a small piece can be used. For a real pistol rod for .22 caliber, start with a piece of brass or steel rod 3/16" in diameter. You can make it out of 3/16" maple dowel but it is hardly strong enough and for a .22 rod I prefer either steel or brass. Leave a tip a quarter of an inch long at the end and then file or turn the rod down to a diameter of 1/8" for a distance of 1/8", then taper the back end of this "neck" up to the full size of the rod. Round the end of the button, and you have a .22 caliber rod on which you can use a piece of "birdseye" cloth a full 1 1/2" square or a standard 1 1/4" Outer's patch and that is a patch that will really do some cleaning.

For a .32 caliber gun make the rod out of 1/4" maple dowelling and make the necked part 3/16" in diameter and 1 1/4" long. For the .38 use 5/16". You can then use standard 1 1/2" Outer's canton flannel patches and do a real job of cleaning with a minimum number of patches; in fact, three are all I ever need.

The Way to Carry Nitro Solvent and Oil

Maybe you have found a bottle or can that won't leak Nitro Solvent or oil all over the inside of the shooting box, but I never saw one so I gave up trying and use a more handy and better way to carry liquids. Just go to your druggist and buy three of the jars he uses for salves. Get the size that will let your patches fit in nicely. Fill a jar with patches and then pour as much Nitro Solvent on them as they will absorb. Screw the cap on the jar, and there you are! Patches all ready to use and there won't be any leaking. Do the same thing with patches for oiling, and if you ever want a drop of oil for lubrication, just take a patch and squeeze it. The third jar is for dry patches and it is the best way to carry them as they will be clean and ready to use and not all over the inside of the case. Scratch the letters D. N. and O. on the aluminum tops of the jars to show what is inside, then you won't have to open them to find out!

Now back to cleaning the gun. Just put one of those man-size patches soaked in Nitro Solvent on your rod and scrub the barrel. Do a real job. That one patch is all you need. Then dry it out with a dry patch, and because there is a lot of cloth one patch will really absorb everything and leave the bore clean and ready for a coating of oil. Run an oiled patch through, then use it to wipe the outside—it's big enough to do a real job of that too.

Plug Up Your Ears

Of course you can train yourself to shoot alongside of even a .45 with your ears wide open and not be bothered a bit, but don't do it—it's a novice trick—tough guy business. Your hearing is altogether too valuable to subject it to any unnecessary punishment, and, after all, shooting—our kind—is supposed to be a sport. Therefore, plug up your ears whenever you go on the firing line whether anyone is shooting or not. Either cotton, one of the clean dry patches from the jar in your kit, or one of the large attachable erasers made to fit onto the end of pencils—I believe they are called wedge rubbers—are fine. **DON'T UNDER ANY CONDITIONS** use empty cartridge cases. There have been several cases of infection traced to them, and, anyway, they are uncomfortable and dirty. Personally, I like cotton or a patch best, as I know they are clean.

"Testing" Things

The word "testing" is often used incorrectly by shooters and sounds too ridiculous to men who know what real testing means, that I'm going to urge the new shooters, for whom this is written, to use the more appropriate word "try". Actually, as any experienced laboratory worker knows, the proposition of really testing a pistol, a sight or just a plain six-inch scale for accuracy or anything else requires considerable preparation and usually equipment. Consider, for instance, the case of the shooter who recently wrote that the new sight with which he had equipped his M. T. Woodsman did not move the point of impact 1" at fifty yards as stated in the description of it. His "test" consisted of shooting one shot, moving the adjusting screws one click and firing another. (Continued on page 30)

FROM TYRO TO MASTER

NO. 6 OF A SERIES

By CAPT. R. C. ANDREWS, U. S. Inf.

THE TELESCOPE SIGHT

THIS WILL BE NO TECHNICAL DISSERTATION on the construction and internal workings of scopes, for in the first place I'm not qualified, and in the second place these subjects have been most ably covered in past issues of THE RIFLEMAN.

As to the type of scope you use, the size of the objective, the type of mounts, etc., that depends on what you have or what you can afford. Before you become dissatisfied with what you have remember that the principal advantage of the scope is that you have only one thing to watch, to line up, to hold in proper relation to the bull, and that's the cross hair.

As for power, you want two things: sufficient magnification to distinguish the rings on the target so that you can see where to hold, and sufficient magnification to read mirage under average conditions. Whether you get an 8, 10, 12 or higher power is your own choice. Last summer my shooting partner used a 12 power scope while I used a 10, and many were the bad words I heard him use when the mirage ran heavy though it didn't bother me and my 10. Most boys learn to ride a bike by riding their friends'. That's a good way to choose a scope. Use the other fellow's to see what you want.

Now presuming that you have the cross hairs in proper focus for your vision, and know your elevation and windage settings for the various ranges, let's find out what to do with the scope. But before getting to that let's check the blocks on your rifle. Put a screwdriver on them to make sure that they are tight. I had that necessity impressed upon me while using a bull gun last summer. The blessed thing wouldn't group at 1000 yards and yet the mounts seemed tight and the bore was new. We finally discovered, after taking off the scope, that one screw in the front mount had loosened slightly.

You must be careful of your position when you are using a scope. The effect of canting the rifle is greater with a scope than with iron sights because it is as a rule so much higher above the bore. Make sure that the cross hair in the scope is *horizontal* while you're aiming at the bull and not parallel to the top or bottom of the target frame. There are few vertical target frames on the ranges I have seen. Most of them lean over at a greater or lesser angle.

Sight in, or target in, your scope under the calmest possible weather conditions to make sure that you have a true zero for the various ranges. Write these settings down where you won't lose them. These settings will vary with different brands of ammo so keep book on the different kinds of ammo that you use.

In using the scope you must be careful to return it to the same place in the mounts after each shot. There is some recoil which disturbs the position of the scope. Unless you return it to exactly the same position for each shot you introduce compensating position errors into your shooting. To return it to the same position each time, draw it back to where it belongs using a twisting pressure to one side

or the other. Plungers in which the rib slides do wear. If there is play around this rib, you can take it out after each shot only by twisting the scope and rib against either one side or the other of the plunger. Unless you do this after each shot the scope will have rotated slightly within the plunger with the result that you cant your rifle to make the cross hair horizontal. And when you cant the rifle you cannot call the shot very closely.

I bought a counter recoil spring for my scope with the idea that, if the spring would return the scope to battery after each shot, it would be just one less thing for me to think about and do. While the principle is fine it isn't practical if you have any play in your front plunger fork, as I have, which permits the rib and the scope to rotate slightly. For a long time—I'm ashamed to tell you how long—I couldn't group as well with a scope as with iron sights and couldn't guess why. The answer was that the scope was not being returned to exactly the same place after each shot because of the worn plunger fork, and I was compensating for it by canting the rifle to make the cross hair horizontal. I then released the spring so that it wouldn't work, learned to pull the scope back with the same twisting pressure each time, and now everything is just too ducky.

Aside from any question of cant, if the scope is not pulled all the way back into the same position for each shot but is a little forward one time, more the next, and still all the way back for others, you will compensate by moving your head forward or back. This introduces position variations on each shot with the result that, instead of holding elevation, your shots will begin to string up or down.

I happened to be in a scope shop on Commercial Row in Perry when a shooter brought in his scope and mounts to complain that the rib on his scope must have humps on it because his shots went up and down in the bull. Both the manufacturer and I looked it over carefully and could find nothing wrong with it. I am convinced that he wasn't pulling his scope back into position after each shot or else did not have it properly adjusted for eye relief to begin with, that is, set at the proper distance from his eye, when in position, so that he could see the entire field of his scope. In either case he must have been compensating by moving his head back and forth and introducing position errors that affected his elevation. A little more study of his own performance and less willingness to blame his equipment would have shown him his error.

The scope is a big advantage on windy days. We can see what the wind is doing by watching the mirage through the scope, and determine which way and how much to hold off in order to put our next shot in the ten ring. We can hold off with precision as we can see exactly where to place our cross hair. No one bothers to change the windage setting on his scope once he has begun his score.

I have encountered three different ways of holding off among the shooters I know, (Continued on page 30)

SINGLE-SHOT RIFLES

By J. V. K. WAGAR

(Continued from April issue)

Stevens Model 44 and 44½ Rifles

STEVENS RIFLES HOLD A POSITION peculiar among American single-shot rifles, for they were never designed to court the favor of big game hunters. Firing none of the cartridges attractive to bison hunters, lacking the power characterizing favorite rifles and cartridges in western game fields, never made in types greatly interesting to military folk, and never accompanied by the manufacture of tubular-magazine, lever-action rifles until the days for such rifles were practically past, Stevens rifles have been chiefly: (1) boys' rifles in lighter models; (2) light, inexpensive rifles for chance shooting on farm and ranch; (3) target arms for non-military types of shooting, and (4) arms for the woods-loafer or the sniper on vermin, or the fellow who likes taking game up to and including deer with one carefully placed bullet of medium power.

There have been many styles of Stevens single-shot rifles: The early type button release, tip-up actions now most commonly seen in Stevens pistols; the Stevens "Maynard" under-lever, tip-up after the Stevens Company bought the fixtures, parts, and good will of the old Maynard Company; the "Little Krag" bolt action of the early 1900's after the Krag-Jorgensen proved itself in the Spanish-American War; the "Little Scout" and early "Crack Shot" rifles with more than a little resemblance to Remington rolling-block actions; and the Stevens "Favorite," a miniature Model 44;

but only the Stevens Ideal actions of Models 44 and 44½ became famous among serious riflemen, and are still demanded by them.

The Model 44

Model 44, which was first marketed in about 1894, really is a rolling-block action, with the breech block pivoted on an elongated toe extending under the barrel breech, and actuated by an under lever. Pivoting the rolling breech-block farther forward than in the commonly seen Remington rolling-block action, permits the block to be more easily rotated shut against stubborn cases and more easily supported by a toggle joint consisting of a link and under lever. And, too, some early Model 44's had the breech block supported in part by a projection on the hammer passing under the rear of the breech block, again similar to Remington rolling-block rifles. Or one may liken the breech block of a Model 44 to the action of a typical shotgun, with a standing breech swung up behind the barrel.

Thrust to the rear is taken in Model 44 rifles in part by the cross pin (pivot) just below the breech, and in part by the rear corners of the breech block bearing against shoulders on the receiver. The pin is quite strong enough to support black powder or low-pressure smokeless loads up to and including the .38-55 and .44-40, for which this action was made, and is augmented by the side walls supporting one, or occasionally both of the rear corners of the breech block. I say occasionally, for many early Model 44's that I have owned and seen were caught only on one side and not on the other, due to lack of precision in manufacture. Later guns including the current Walnut Hill variation of the Model 44 were more carefully fitted.

In early Model 44's, the springing, or slight bending of the breech block toe, as the middle pin of the finger-lever and link toggle-joint rocked forward, furnished the tension for holding the finger lever against the lower tang in the closed position. As the action wore loose, provision was made by a tension screw on the pivot toe of the breech block (in side extraction actions) for restoring lost tension. On later models, since a centrally hung extractor eliminated the tension screw, tension for holding the finger-lever closed was provided by a spring-actuated plunger rocking over a cam on the lower part of the link; a style of closure used later in the 44½'s.

The link was reversible in many Model 44's, with a projection which left the hammer at half-cock if positioned with the projection down, or at full cock if positioned with it up. Most owners used the rifle adjusted to leave the hammer at half-cock. In a few Model 44's I have owned, the link projection was not long enough to bring the hammer to full cock even when properly positioned, until a bit of metal was added by welding.

In all but early models the finger-lever and breech block are pivoted in the action in a way mechanically effective yet responsible for the serious marring of these rifles. For each pivot a hardened steel pin is pushed into the frame from the left side, is kept from revolving by an integral eccentric key seating into a recess in the frame, and is held in place by a screw with like-shaped head turned in from the right

Stevens Model 44



side of the action. The head of each pin is slotted just like the lock screw, to permit the use of a screw-driver when rotating the key into its recess. If the man with the screw-driver knows that the screws on the right-hand side are to be removed first and the pins pushed out to the left, all is well. If he tackles a screw-driver slot on the left-hand side first, thinks the screw stubborn because the key will not twist out of its seat, and leans on the screw-driver until he tears the slot or skids out of it and across the action side, he has helped to mar one more Model 44.

In most Model 44's the opening breech block cams the extractor back—bearing against the extractor itself rather high up, giving this model the easiest, most positive extraction of any of the well-known single-shot actions.

The breech block opens back far enough to expose the face for thorough cleaning, and since the block as it descends opens away from the cartridge head, the firing pin rarely aggravates one by catching in the indentation in the primer, even though the firing pin is not retracted within the breech block.

The firing pin is long, slender, and strikes against a shoulder in the breech block far enough rearward to prevent breech block face bulging. The pin strikes at an angle to the bore, but not a great enough angle to lessen firing efficiency.

The Model 44½ Action

The Model 44½ combines the excellent seating power of the Model 44, the excellent support characterizing Sharps falling-block rifle types, and an attractive symmetry all its own. With a front portion of the lower breech block bifurcations cut away, the block rocks forward at its lower end and back at the top, after it is lowered past the first .3" of its falling movement.

When opening the action the rocking movement is of no advantage, for it is not enough to expose the breech block face for easy cleaning, but the closing movement easily seats stubborn cartridges if one can get the cartridge heads within .2" of the chambered position.

This type of action is not new, for F. W. Freund, pioneer gunsmith of Cheyenne, Wyoming, under patents of Aug. 1, 1876, and Jan. 2, 1877, converted Sharps side-hammer breechblocks to rock similarly, by cutting away the rear bearing surface at the top of Sharps breechblocks, and by providing a stepped seat, below which the descending breechblock soon passed, to support the block when fully closed.

In Freund Improved Sharps the rocking motion was imparted by the forward pull of the finger-lever link during the opening movement. In the Model 44½ a coil spring actuated plunger pushes back against the upper right-hand portion of the breech block.

Model 44½ action frames are made of drop-forged steel, smoothly finished inside and out, as compared with the cast Model 44 actions, showing on inside, non-bearing surfaces, the roughness peculiar to castings. Model 44½ actions are more carefully hardened than those of Model 44; each by the case-hardening process producing beautiful metallic colors which may be preserved indefinitely by occasional spraying or brushing with clear lacquer.

That Model 44½'s are really powerful actions is shown by the listing, in Stevens Catalogs No. 52 (in both original and revised editions), of this rifle made for .30-30 and .30-40 cartridges. Then my friend Allyn Tedmon, chief godfather for Stevens rifles, listed many testimonials concerning Model 44½ action strength in his article "The

Stevens Ideal 44½ Action," in the July, 1930, *AMERICAN RIFLEMAN*.

As Hervey Lovell stated in Tedmon's article, Model 44½ hammers are so positioned that they scrape one's cleaning rod unless the hammer is kept cocked while cleaning. As C. S. Landis intimated in the same article, the action parts will wear. In fact my Model 44½ No. 5513 quit staying cocked at round number 414; however, A. W. Peterson of Denver hardened the hammer and trigger parts when this happened, many years ago, and the action has since stood up under many thousands of shots.

Several Model 44½'s owned by me did not fire hard primers satisfactorily until their mainsprings were stiffened. The hammer is pivoted so far back of the hammer face as it strikes the firing pin, that the hammer is really striking a downward, glancing blow; and the firing pin, set in a breech block shorter from front to rear than in the Model 44, is inclined upward at an angle great enough to rob the blow of some of its force.

Since the Model 44½ firing pin is not mechanically retracted within the breechblock, which drops almost vertically in the first opening motion, the firing pin is sometimes caught by very soft primers fired with low-pressure loads, creating difficulties when opening the action.

The Model 44½ breech block closes on a slant, as in the Winchester Single Shot, but is superior in that the finger-lever and link are positioned to hold the breech block closed at the top—and tightest—portion of its movement.

First marketed about 1903, and discontinued when foreign war orders in 1916 made other business more lucrative, the 44½ was a short-lived action in respect to period of manufacture. Of course it was introduced towards the end of the single-shot era, when repeaters were the fashion, but riflemen hold it in high (Continued on page 29)

Stevens Model 44½



The Old Coach's Corner

IRON FRONT SIGHTS AND SIGHT ADJUSTMENT

LAST MONTH WE DISCUSSED the various types of iron rear sights. Today if you please we will turn to the two principal types of front sights, that is, the open front sights for military shooting, field shooting, and hunting, and the hooded aperture front sights for slow fire bullseye shooting.

Most of our sporting rifles are regularly fitted with a bead front sight, the bead being round in form when viewed from the rear, and about 1/16 to 1/32 inch in diameter, faced with German silver, ivory, or copper alloy usually called "gold." The silver beads glisten too much, the ivory is good for hunting except on snow, and the gold is usually the most popular because it shows up well, is durable, and can be blackened by smoking it for target shooting. For the latter purpose we always want our sight dead black so it will show up in perfect silhouette against the white surface of the target, but for use against dark objects against dark backgrounds, particularly in woods or where the light is poor, the front sight must be tipped with some lighter material to be seen quickly.

Look at the surface of the bead which faces the eye. It should be flat and perpendicular, never rounded. If rounded and the sunlight falls, say on its right side, that side of the bead would be bright and clearly seen, but the other side would be in shadow. In aiming in a hurry you would naturally favor the bright side, and hence you would shoot to the left, that is, away from the light. It is necessary to mention this because several widely advertised front sights on the market have rounded beads and advertise them as though that were an advantage. If you get one by mistake you can easily flatten its rear surface with a file.

But why have a bead front sight—that is, round in silhouette when you aim with it? Round beads were made originally because it was thought they could be better centered in a peep sight. But since those long gone-by days we have found that it is very much better to center the *top* of the front sight in the peep rather than to center its bead. This, indeed, is the correct method of aiming, and you have to look out for this, too, because you will find lots of instructions in print, written by authors who are not real field riflemen, telling you to center the bead and showing illustrations of how to do it.

Much more accurate aim in either target or field shooting can be had with a front sight that is shaped like a flat top post—that is, our military front sight as seen on our Springfield and Garand rifles. Somehow our eyes can balance the round ball of the bullseye much more uniformly on the top-center of a flat top front sight than they can make a figure "8" of the bull and bead of a bead front sight. But the military front sight is hard to see in dark places or against dark backgrounds. Decidedly the best all-around front sight is one having a square face of copper at its tip but otherwise like a flat top post, about .065-inch wide. For target shooting smoke it black. Such sights are regularly made by several sight makers, and will be made to order by the others.

One of the drawbacks of the military black front post sight is that it cannot be seen, at least cannot be seen easily enough to catch quick aim with it, in dark places or against dark backgrounds. This objection is removed by the square gold face. But there is still another objection to this form of front sight for extremely fine or competitive target

shooting. In aiming with it we just touch the top of the sight to the bottom of the bull. The bullseye should look as though it were a perfect ball balanced on the middle of the top of the post. It is easy to see that it is balanced on the middle of the post, and we have little or no lateral error of aim. But it is not so easy to see that the exact top of the post just touches the exact bottom of the bull. Sometimes the bull bites into the front sight, and sometimes the two don't quite touch. When we first started small bore shooting about 1921 almost all of our .22 caliber target rifles had this black top post front sight. We soon found that despite the greatest care we would occasionally get a nine at 12 or 6 o'clock, so we gradually gave it up in favor of the front sight mentioned below. Nevertheless it is decidedly the best front sight for military target shooting, and when provided with a flat, square gold face, for hunting.

We sometimes see this open front sight provided with a sight cover or hood. This serves no useful purpose except that it might protect a saddle scabbard from being cut by the sight. Always take this cover or hood off before shooting, or better still ditch it.

Target Front Sights

For competitive slow fire target shooting on bullseye targets (but for nothing else) the hooded aperture front sight is most decidedly the best. The sight proper consists of a small steel black disc with a rather large round aperture in the center. In aiming it looks like a black ring silhouetted on the target. You center this aperture in the center of the rear peep, and holding this alinement, "ring" the bullseye with the front aperture. These sights are usually furnished with seven to nine interchangeable discs, any of which can be fitted within the hood at will. One should be chosen that is of such size relative to the aiming (black) bullseye of the target you are shooting at that you will see considerable of the white of the target around the bullseye and inside the aperture. On the N. R. A. small bore targets the aperture should just about take in two white rings outside the bull, and it will be usually found that the largest disc provided about does this. The bullseye should always appear black—never gray. The discs fit and interchange inside the large cylindrical hood, the purpose of which is to protect the rather delicate discs, to shade the disc from sunlight, and make it always appear dead black.

Sight Adjustments

The aim must be exactly the same each time if high scores are to result. If you practice aiming exactly as corrected, in a few days the retina of your eye remembers the "picture" of the sights correctly alined, and the eye can then reproduce this picture with very remarkable accuracy. Therefore you should always aim exactly the same, never a little high or low or to one side to correct an error in the center of impact because that would ruin the picture and your aim would then be very irregular. All desired changes in location of where your bullets are striking should be made by adjusting the rear sight. This is one of the basic principles of good marksmanship. Therefore your rear sight should always have adequate adjustments for elevation and windage.

(Continued on page 29)

THE NEW WEAVER CHOKE

A DOPE BAG REVIEW

BILL WEAVER, THE SCOPE MAKER, follows his 1X shotgun scope with a choke-control device and tubes for all 12-gauge guns which have single barrels. It has been in development for about a year.

The Weaver Choke was developed to eliminate "blown" patterns, to adapt one gun for 20- to 70-yard shooting, and to reduce recoil. It is made with a series of baffles in the bore designed to catch the rushing powder gases. These baffles divert much of this gas out through the numerous vents. This gas is released before the shot leaves the muzzle, reducing the pressure on the shot column and reducing the muzzle blast. This, in turn, reduces the disturbance to the shot, which continues on its way as directed by the choke, theoretically resulting in even and uniform patterns.

The Weaver Choke will give patterns for any kind of shooting from 20-yard Skeet targets to 70-yard ducks. Each choke was designed for its individual purpose. In order to obtain the very best results, each choke has a special length, shape, taper and constriction as found necessary through painstaking testing and research.

The baffles catch the high-velocity powder gases. The forward impact tends to drive the gun forward, reducing the rearward recoil. Ordinarily a large portion of recoil is caused by the sudden gas release at the muzzle; since the Weaver Choke diverts much of this gas, it reduces the recoil.

The Weaver Choke is made of a "strong-as-steel" aluminum alloy. It weighs no more than the section of barrel removed, and won't change the handling or the balance of the gun. It is small, neat, attractive, and will not mar the appearance of the finest gun.

The Weaver Choke is finished by a special patented process which gives the bore surfaces a particular hardness, to provide a "perfect" surface for the passage of shot. As indicated by the firing of many thousands of test and proof shells, this glassy surface won't pick up lead or abrade and deform shot the way steel surfaces do. The following chokes are available.

XFC (Extra Full Choke). This choke is designed to give extremely close patterns averaging 85% for long-range shooting. It should kill ducks at 70 yards if the shooter does his part. At 30 yards it may tear game pretty badly, and is at its best from 35 yards on.

FC (Full Choke). This choke is intended for about 75%, or the same as the ordinary, good, full-choke gun; that is, for a duck-killing pattern to 60 yards or for long shots at doves or desert quail to 50 yards.

¾ (Three-quarter Choke). This is suitable for small game to 40 or possibly 45 yards, for duck shooting from a blind, for rabbits, and for western quail shooting.

½ (One-half Choke). This gives a fairly wide shot spread and a killing pattern for small game to 35 yards. It is for Bobwhite, rabbits, doves, and all other shooting where the ranges are not extreme.

¼ (One-quarter Choke). This gives a wide pattern, and is used in wooded and brushy country where the shooting is fast and close and the shots are not over 30 yards.

S (Skeet or Scatter). This choke was designed expressly for Skeet. Patterns are wide, giving full coverage on a 30-inch circle at 20 yards. Many thousands of shots were

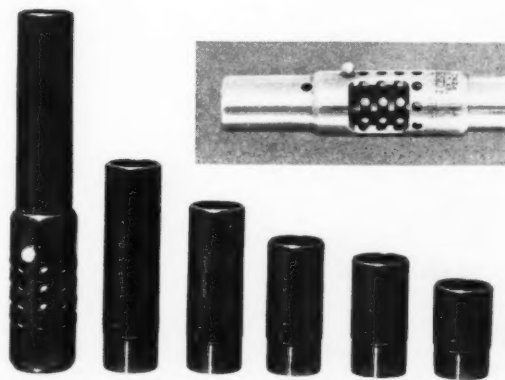
fired to develop this S Choke and to get the patterns uniform. It can be used on game at very short ranges (not over 25 yards) with No. 7½ or smaller shot; larger shot will give too open a pattern. Generally, the ¼ or ½ Chokes are more suitable for game. No. 9 shot (Skeet Loads) gives target-breaking patterns to 30 yards. The S Choke is the one to use when single-ball or slug loads are used.

The following claims are made by W. R. Weaver Co. for their new interchangeable choke tubes and device: Any degree of choke from the wide 20-yard Skeet pattern to Extra-Full-Choke pattern practical up to 70 yards. Reduced recoil. Reduced muzzle blast. Dependable uniform distribution of pellets; no blown patterns. Adapted to all autoloading, pump, and single-barrel shotguns, either plain or ribbed. It can be attached by any good gunsmith or in the Weaver factory.

An overall barrel length of from 28 inches to 32 inches with the XFC Choke is recommended; then with the S Choke the overall length will be from 26 to 30 inches. The Weaver Choke will be ready in 12 gauge about the middle of May. Other gauges will be available in July, 1940. When ordering, give the make and model of your gun, or preferably the outside diameter of the barrel a few inches from the muzzle. Shotgun barrels vary in size, and the 12-gauge Weaver Choke is made in two different thread-sizes. Price, complete with any two chokes, large white bead front sight, and wrench rod, \$9.75. Extra Chokes, \$1.50. Attaching at factory, \$2.50.

The reduced cut (below) does not show the threads on the offset bottoms of the several interchangeable choke tubes which are shown in series. These offsets are, however, finely threaded from bottom to shoulder and are turned into the permanent part on the muzzle by means of a long rod (not shown) which fits the two holes in each of the interchangeable choke tubes.

As to convenience of changing chokes the Weaver is on a par with the Cutts Compensator, which also employs a wrench for interchanging the various different tubes. In this respect the Poly Choke is superior to both. As to relative patterning or performance we have no idea as yet.



ESTIMATING SHORT RANGES

By MAJ. ERNEST C. DREHER

ONE OF THE MOST perplexing problems which confront an embryo marksman and small-game hunter is that of estimating distance to a target, so that his first shot will register a hit. For in small-game hunting, usually only one shot is offered at any animal.

For ranges up to 300 yards, which is rarely exceeded in small-game hunting, a method may be employed which with a little practice will reduce error in calculation to a maximum of about ten per cent of the actual distance to the target. For example, let us select a tree, say actually 150 yards distant, and see how closely we can come to accurately determining its range from the muzzle of our hunting rifle.

A quick glance at the base of the tree indicates that its distance is between 125 and 150 yards. Let us now select some landmark half-way between us and the tree: a bush, stone, slight hillock, etc., and estimate the distance to it. When we have decided upon this distance, we simply multiply it by two, and come slightly nearer to the correct sight elevation or hold-over. As a further check, halve again this midway distance, and multiply by four, etc.

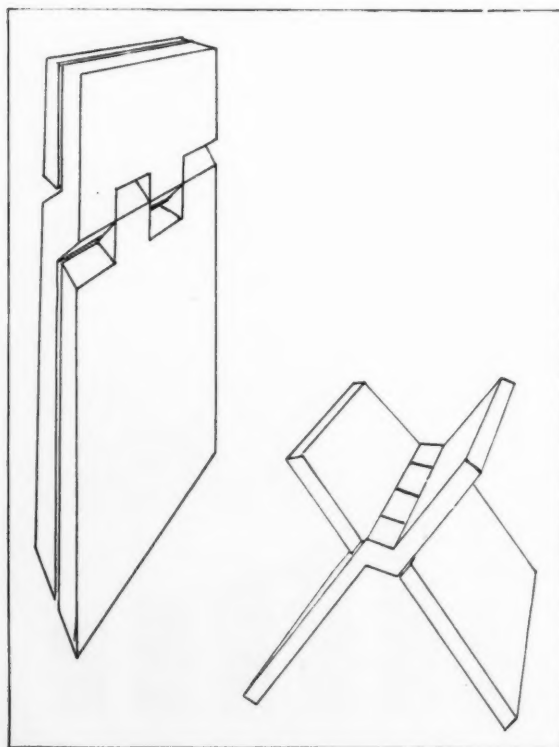
In setting your sight to the final range, or holding over, add one minute of angle to your elevation, because error is more apt to be on the side of underestimating than overestimating. A little practice will soon reduce errors to a maximum of ten per cent of the total range estimated.

When two or more marksmen are in the party, the same method is employed by each, and the different estimates averaged up. This average is rarely more than five per cent in error, but it is still well to add the extra minute of elevation.

Where Nature's camouflage causes your objective to blend with a confusing background, select some more clearly defined object nearby: the limb of a tree, a rock, bush, etc., and estimate the distance to that.

When you are afield hunting, practice this method occasionally, selecting distant trees, stone walls, bushes, etc., and then as you proceed to their location, do a bit of stride-counting, to check the accuracy of your estimates. In this connection it might be well to determine the exact length of your normal stride, and to this end the following method will serve well. If a cement pavement is available, dip the heels of your shoes into a puddle of water, and with a normal gait walk along the pavement, leaving your heel-prints on its surface. A stride is the distance from the heel-print of one foot to the heel-print of that same foot when it again strikes the ground. For a man of normal physique, this stride usually measures five feet.

Whenever you play a game of golf, it is good practice to pace off the measured distance between holes, and estimate the distance from the lay of your ball to the cup, the length of your drives, etc.



SIMPLE RIFLE REST

By A. HARNETT (England)

HAVING made use of many helpful suggestions in this journal, may I offer its readers the design of an easily made rifle rest which has the advantages of portability and no cost, and can be used on soft grass or hard concrete.

Take a piece of hard wood about 8"x2 3/4"x1", draw a line across the face 2 3/4" from one end, and lines on either side of that line half the thickness of the wood distant. Across these lines divide the width of the wood into four, making eight rectangles.

Cut out wedges to a depth of half the thickness of the wood from alternate rectangles, sloping away from the centre line.

Do the same on the back of the wood, cutting out wedges from the rectangles uncut on the face.

Halve the thickness of the wood with a saw cut from each end until the wedge-cuts are reached, and divide the edges of the wedge-cuts with a thin knife.

The piece will then open to form a X rest.

Although it sounds rather complicated it is a very easy job, and a rifle stand which can be carried in the pocket is the result.

I should have sent you one of these stands to try but, not knowing your import laws, I am loath to cause you to pay duty on a small piece of wood.

Pistol *Remington* News

DU PONT

BRIDGEPORT, CONNECTICUT

MAY, 1940

12 FIRSTS AT TAMPA AND CORAL GABLES FOR "TARGETMASTER" AND "KLEANBORE"



L. P. McCasland (left) and J. N. Woody, both from Texas, between them took five first places at Tampa and Coral Gables. They shot together in the Doubles at Coral Gables . . . placed second. Both used Remington ammunition.

.22 and Center Fire Agg. Won with Remington

MCCASLAND, ASKINS, WALSH AND WOODY STAR

TAMPA, Fla.—Both of the big Aggregate events here were won with Remington ammunition. Walter Walsh, shooting Targetmaster, won the National Mid-Winter Center Fire Pistol Championship with 854. Walsh also won the 25-yard Center Fire Slow Fire event with 198.

Loyce McCasland of Big Spring, Texas, was the other title winner. Shooting Kleanbore, he scored an aggregate of 868 to win the .22 National Mid-Winter Pistol Championship. In addition, he turned in the high score (189) in the .22 Slow Fire event.

Charles Askins, Jr., from El Paso, took the National Match Course Center Fire event with 290, and the B. & L. Trophy with 374, shooting Targetmaster in both.

Jesse Woody of Stanton, Texas, crashed the winning list with 198 in the .22 Rapid Fire, shooting Kleanbore. Arvid Anderson of the U. S. Customs Patrol, another Kleanbore shooter, scored 293 to win the .22 National Match Course. Match 16 went to Sgt. H. O. Hildeton of the U. S. Infantry. He used Targetmaster—scored 196.

CORAL GABLES, Fla.—L. P. McCasland, who won two events at Tampa with Targetmaster, took the .22 caliber Rapid Fire event with a red hot 199.

J. N. Woody, who also won at Tampa, captured the .22 caliber Timed Fire with 199, again with Targetmaster.

The Flamingo Women's Championship went to Helene Howard of Miami, who scored a neat 193 to win the title by three points. Mrs. Howard used Targetmaster ammunition.



Mrs. Jack Howard of Miami has a right to look pleased. She just turned in top score in the Women's Championship.

O'DELL SETS NEW PISTOL RECORDS

Great Lakes Pistol Team

The Great Lakes Pistol Club had things pretty much its own way at the recent 15th Annual Ohio State Pistol and Rifle Association Indoor Matches.

Four new records were set by the Great Lakes Pistol Club members.

E. T. O'Dell set two of the new marks in the Individual .38 caliber Slow Fire, which he won with a record score of 186 x 200, and in the Individual .22 Rapid Fire, in which he had 195 x 200. He used Remington Targetmaster in the .38 caliber event, and Kleanbore in the .22 event. He also took first place in the .22 Timed Fire Match with a score of 193 x 200, again shooting Kleanbore.

O'Dell on Record-Making Team

Not only did O'Dell make two new individual records—he also fired on the Great Lakes Pistol Club Four-Man Team, which set two additional records.

In the .22 Slow Fire event, the team scored 686 x 800, and in the .22 National Match, scored 1099 x 1200, all team members shooting Remington ammunition in both events. The team was composed of Edwin Schneck, E. T. O'Dell, Martin Taylor and Joseph Nikoden.

L. L. FIELD TIES PISTOL RECORD AT PITTSBURGH

Simon Wins Aggregate

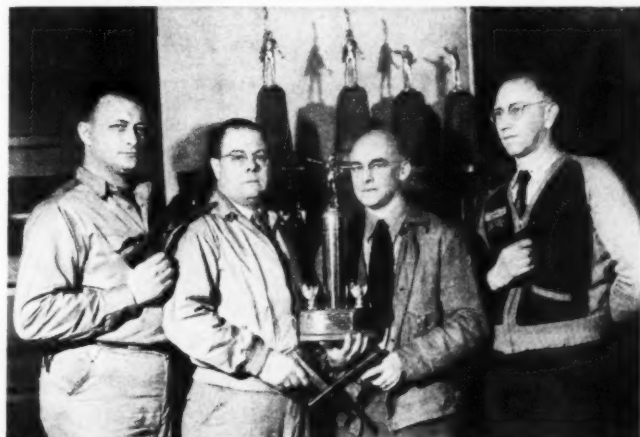
PITTSBURGH, Pa.—At the recent Allegheny County Indoor Pistol and Revolver Matches, a registered shoot held at Neville Island, L. L. Field of New Brighton, Pa., scored 280 x 300 in the .22 3-stage gallery course, to tie the World's Record. He used Targetmaster ammunition.

M. R. Simon of Beaver Falls, Pa., won the Aggregate at the shoot with 540 x 600, shooting Kleanbore Hi-Skor in the .22 events.

Field's performance in tying the record with Remington ammunition adds one more to the long list of pistol records which have been tied or beaten recently with Targetmaster ammunition.

Remington Police Targetmaster is the first .22 long rifle ammunition to be made especially for match pistol shooting and has had an enthusiastic reception among pistol and revolver shooters all over the country. Targetmaster is a fine center fire match pistol ammunition in .38 Special and .45 calibers available with both regular and sharp shoulder bullets. Elsewhere on these pages you will read of the sensational shooting being done with these two match pistol ammunitions.

CANTON, OHIO, "EAGLES" SET NEW RECORD



AKRON, Ohio—The Canton (Ohio) Pistol Club "Eagles" show the Wana-maker Trophy they won here with a new record score of 1071, .22 caliber, 50 feet. They exceeded the old record by 28 points. Left to right, H. Grossglaus, M. Dunlap, N. Sherlock, E. Hoobler. All used Kleanbore.

POSSIBLES and IMPOSSIBLES

by FRANK J. KAHRS



At the University of Chicago Indoor Matches recently, George Cooper of Des Moines, Iowa, fired in the 100-yard iron sight match and scored 400 and 31 X's, tying the National Record established by Ted Holm last year. Therefore, they are co-holders of the indoor iron sight record for 40 shots. George, incidentally, was shooting his Model 37 Remington and Targetmaster ammunition.

Will Ridings of Hawthorne, California, one of Southern California's outstanding smallbore experts, sends me a couple of 10-X possibles, one of them all inside, shot recently in the Pacific Southwest Championships and the Southern California Register League Matches with his new Model 37. Nice going, Will.

In going through the dope on recent performances indoors at 100 yards, I note that Harold Allyn of Springfield, Massachusetts, was the runner-up at the Metropolitan Indoor Championship with a 500 possible and 39 X's—a good bit of shooting in any man's league. Yes, Harold is still shooting Targetmaster.

Out in Phoenix, Arizona, recently I spent a couple of days with Al Lewenthal, former captain of the Arizona Civilian Team at Perry. Also saw Captain Tom Imler and Bill Segale.

I recently had a letter from Nicholas Mayer, Secretary of the LaPorte Rifle & Pistol Club, LaPorte, Indiana, enclosing targets made by E. Brownsey in four positions, that is, 10 shots prone; 5 sitting; 5 kneeling and 10 standing, all fired in consecutive order. The targets score 299 x 300 with one possible doubtful shot in the standing position. It is one of those shots you could call either way with the plug, so we called it "in," not because Remington Kleanbore ammunition was used in making this, but all of the targets showed fine marksmanship.

Out at the University of Chicago Matches last month, I ran into William Bach of Racine, Wisconsin, a youngster of fifteen years, who in his first year of shooting won tenth place in the Marksman Group last year with an average of 95.2917, and he was only removed .128 from first place at that. He told me he was shooting a Model 37 and Palma Kleanbore and that he was entirely satisfied with the combination. I would say he was doing darn well in his first year.

STOLL WINS CALIFORNIA GALLERY CHAMPIONSHIP

Oakland Takes Civilian Team Event

SAN FRANCISCO, Cal.—Top man among the record turnout of 495 shooters at the 4th Annual California State Gallery Rifle Championship was Raymond Stoll of Napa. Stoll scored 197 to win by two points over H. Fieth of Live Oak. Both shot Remington ammunition.

The Oakland Rifle Club turned in the high team score—951—winning by 18 points. They also won the Civilian Team title. The team consisted of Frank Amaro, Edward Amaro, Eugene Best, F. E. Stephenson and Jimmie Williams. The first four named used Kleanbore.

The Company F team of the 159th Infantry captured the National Guard and Reserve Team title with a score of 885. Team members were, Hidalgo, Hansford, Buckley, Cunstel and Cranston, all of whom shot Kleanbore.

The Junior title (prone) was won by Valley Matress of Stockton, the team consisting of Bob Beatie, R. W. Silver, S. Goodman, J. Waddell and Jim Sweeney. All used Kleanbore.

Lear Wins Two Events

Sam Lear of Vallejo turned up at the shoot with his Model 37—won two of the special events. He scored 200 with 15 X's in the 50 yard iron sights prone event, and 200 with 19 X's in the 50-yard any sights. James Pedroni of Salinas won the 50-yard off-hand with 84, also shooting a Model 37. Dr. H. Baix of San Francisco won the 50-yard prone Expert target event with 193, shooting Palma Kleanbore.

The attendance of 495 at the three-day shoot was 60 more than turned out last year. More competitors used Remington ammunition than all other makes combined!

THELEN SETS NEW LEAGUE RECORD FOR 4 POSITIONS

Shooting in the Central Michigan Smallbore League, William Thelen scored 100 prone, 99 sitting, 99 kneeling, and 98 standing. This sets a new high for this four-year-old league. Thelen shoots a Model 37 and Palma Kleanbore.

ROSEMARY NOVAK WINS WOMEN'S INTERCOLLEGIATES

Scores 500 x 500

PITTSBURGH, Pa.—Miss Rosemary Novak of Carnegie Tech has just been designated by the N.R.A. as winner of the Women's Intercollegiate Individual Championship.

Miss Novak, who used a Model 37 and Targetmaster ammunition, had a perfect score of 500 x 500. The N.R.A. sent additional targets for her to continue her run of bull's-eyes.

In the Women's Intercollegiate Team Match Miss Novak also turned in a perfect 500 x 500 score! Miss Novak was coached by Sgt. R. C. Sommer, who also deserves a bow.

8 Out of 10 Shoot Remington

Of the first ten competitors in the Individual Championship, eight used Remington ammunition.

TULSA CLUB STARTS RIFLE SCHOOL

38 Beginners Enroll

TULSA, Okla.—Rifle Clubs all over the country who are seriously concerned with widening interest in smallbore shooting will be glad to hear of the success of the Tulsa Rifle Club shooting school.

Charlie N. Wynkoop of this city is the leading spirit of the school, which already has 38 beginners registered, and more expected. Twelve are women.

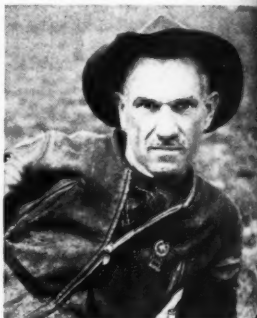
Students are divided into two groups, each firing at least one evening a week at Lee School's indoor range. The course costs the beginner only \$5.00, which covers club membership, Oklahoma Rifle Association membership and a subscription to the AMERICAN RIFLEMAN.

Our hats are off to Charlie Wynkoop, president of the Tulsa Rifle Club, for initiating and carrying through this fine program.

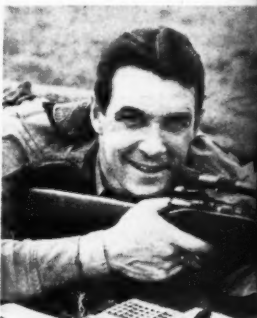
Incidentally, the first 10 X possible at 100 yards ever fired at the Tulsa Rifle Club was recently turned in by R. A. Newcomb. A Remington 10X brassard is hereby awarded.



Ken Hankins did an outstanding job shooting at St. Pete. He won the yard any, the 50-meter any, placed second in the Nat'l Mid-Winter Aggregate and third in the S. E. Smallbore championship.



The Sunshine Trophy is now in California, thanks to Roy Gradle's doing, won the match with a Model 37 Palma Kleanbore.



Bob Spahr, smiling over his new Model 37, was top man in the Expert Division of the U. S. Trophy Aggregate.



Dr. Samuel A. Oren is another Model 37 owner who feels plenty about his gun. He's just won the strictest Dewar Match.

NEW M37 IS SENSATION OF NATIONAL MID-WINTER MATCHES

Six Firsts at St. Petersburg Won With New Model 37 "Rangemaster"

"Palma Kleanbore" Shooters Take Eight Firsts; Targetmaster Takes Three

ST. PETERSBURG, Fla.—Chief topic of conversation among the leading smallbore fans assembled here for the National Mid-Winter matches was the amazing performance of a new rifle . . . the 1940 Model 37.

Since this rifle is brand new, only a few were on the firing line. Yet six matches were won with it, plus any number of seconds and thirds!

Six Out of Seven In Aggregate

Six out of the first seven in the National Mid-Winter Smallbore Championship used Remington ammunition and three used Model 37's (two of them new).

In the U. S. Service Trophy Aggregate, the first seven shooters in the Expert class all used Palma Kleanbore, and six of the seven used Model 37's. Robert J. Spahr was top with 3941, one point over Roy Gradle.

The Sunshine Rifle Club won the National Interstate Four-man team match with 1155, all four members of the team shooting Palma Kleanbore, and three shooting Model 37's (including two new ones!).

Hankins and Cocking Star

K. O. Hankins was in fine form. Shooting Targetmaster ammunition throughout, he won the 50-meter any sights with 398, the 50-yard any sights with a 35 X possible, and placed third in the Championship Aggregate. In the

50-yard any sights, the top five shooters all used Remington ammunition, and four of the five used Model 37's, two of which were new!

N. R. Cocking, shooting a new Model 37 and Palma Kleanbore, won the 50-yard iron sights with 398 and 26 X's, teamed up with M. E. Johnston (who also used a new M37 and Palma Kleanbore) to win the Doubles event with 794, and placed second in the Championship Aggregate.

Roy Gradle won the Sunshine Trophy event with 399 and 24 X's, shooting a Model 37 and Palma Kleanbore. L. W. Abrams won both the 100-yard iron sights with a new Model 37 and Palma Kleanbore, scoring 397 and 25 X's, and the St. Petersburg special (in which event the first three places were won with Palma Kleanbore and Model 37's, two of which were new).

The Swiss Match was fired in a terrific wind, with still another new Model 37 shooter on top. John Stack, using Targetmaster ammunition, scored 11 bulls, 5 better than the second man.

In the Restricted Dewar (iron sights), Palma Kleanbore shooters placed 1-2-3. Dr. Samuel A. Oren won the event with a new Model 37.

Vernon Gregory won the individual Long Range with M. E. Johnston second. Three of the first five places were won with new Model 37's, and Palma Kleanbore.

Second, third and fourth places in the Trull Trophy event (200 yards) went to Palma Kleanbore shooters . . . R. A. Mapes, L. T. Wray, and O. E. Crockett.

Five of First Six Places for M37

In the Randle trophy, the Model 37 and Palma Kleanbore combination again cornered most of the places, taking five out of the first six. F. C. Hoppe placed second in the event.

Remember . . . this new Model 37 is just out. It was outnumbered many times on the firing line. Yet look what it did! And imagine what it'll do when more of them are in shooters' hands!



The Sunshine Rifle and Pistol Club team, winners of the National Interstate Team Match. Bottom, L. to R., Wehle, Cocking, Johnston. Top, Lewallen and Bridgeland. The members of this team also topped a large number of individual honors.



Three "hot shots" at St. Pete. L. to R. are Ted Abrams, Dr. Lewallen and Bob Spahr, who finished 1-2-3 in the St. Petersburg Special. All three used Model 37's. Ted Abrams also won the 100 yard individual.



Winning Doubles team . . . Neil Cocking (left) and M. E. Johnston. Both used new M37's and Palma Kleanbore. Cocking also won the 50-yard individual.



Vernon E. Gregory won the individual long range event, scoring 191 despite very windy conditions.



John Stack kept 11 shots in the bull in the Swiss Match and won easily. Yes, he used a new M37!

Rifle *Remington* News

DU PONT

BRIDGEPORT, CONNECTICUT

MAY, 194

BOB LAFFERTY STARS AT CHICAGO WITH NEW MODEL 37 and "KLEANBORE"

UNIV. OF IOWA WINS NATIONAL INTERCOLLEGIATE TEAM MATCH

CHICAGO, Ill.—Bob Lafferty, University of Illinois freshman, had things pretty much his own way at the Fifth Annual University of Chicago shoot here, and also performed exceptionally well at the Mid-west Indoor Championships.

Lafferty, shooting a new Model 37 and Palma Kleanbore, turned in a hot 379 x 400 to win the Individual Junior title, outranking M. H. Smith of Culver, who was using Kleanbore. Lafferty also took first place in the Sitting-Standing Match with 186, second in the Standing event with 88, second in the Sitting event with 98, and fourth in the Kneeling Match with 95.

M. H. Smith of Culver was another big winner, taking two first places, two seconds and a third. He used Kleanbore.

In the regular Mid-west Matches, Lafferty turned in a total of 2393 x 2400, or only 7 points down for the equivalent of 6 times over the Dewar Course.

The University of Iowa Team set a new all-time record by 4 points with a score of 1403 x 1500. They won not only the Sectional Match but the National Intercollegiate Team Match as well.

Culver Wins Team Event

Culver Military Academy won the Midwest Junior Team Match with 1849, all members shooting Kleanbore.

Blackhawk Wins Club Title

The Blackhawk "Blue" Team won the Dewar Course and Club Team Championship at Chicago



Bob Lafferty, New Mid-west Junior Champ.

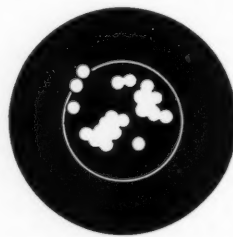
with 1595. Team members were Lew Mason, who scored 393, Bob Minor 399, Bob Lafferty 399, and Fred Johansen 399. Mason and Lafferty used new Model 37 rifles, and all but Minor used Remington ammunition.

George Cooper of Des Moines won Match 4 with 400 and 31X's shooting his new Model 37 and Target master. Bob Spahr of Highland Park, also using a Model 37 and Targetmaster, was High Expert with 2397.



U. of Iowa Rifle Team, which set a new record at Chicago. Front row, L. to R. R. C. Kadgih, Major W. G. Hilliard, Jr., Instructor, Sgt. H. W. Wendlandt, coach. Back row, L. to R., G. W. Brown, R. Bohlin, K. G. Heller, C. F. Schadt, V. E. Pettit.

THE TARGET OF THE MONTH



Here's a beauty—a 20X Possible at 100 yards, outdoors, made by Capt. C. Spencer Marsh of Oteen, N. C. Notice that only 3 shots even touch the X ring. The others are all well inside. Capt. Marsh used regular Kleanbore ammunition.

7-YEAR-OLD SHARPSHOOTER FROM MINN.



FERGUS FALLS, Minn.—Just one year ago, when he was 6 years old, Robert Alan Lundeen acquired a .22 rifle from his grandfather and coach, W. C. Bush. Since then, Bobby has shot 80 qualifying targets in the NRA schedule, has collected 5 medals and several bars, and is now rated as a Sharpshooter. We're glad he has started with Kleanbore, because he's liable to be National Champion in 1950.

PEDRONI TAKES MEDALS IN MONTEREY LEAGUE

Shoots Model 37 Rifle

SALINAS, Cal.—When the time came to distribute medals for the smallbore division of the Monterey Bay Rifle League, no less than seven went to James Pedroni of this city.

Pedroni, who shoots a Model 37 rifle, received medals for League High Aggregate, in which he had a total of 774, High Single Score (196 x 200, which is a score for membership on championship team, High Prone Score (200 x 200), High Off-Hand Score (186), Team Aggregate Score, and Shoot high scoring

Salinas Wins Team Title

The Salinas Club won the team championship, led by Pedroni. Salinas won five events, lost only one. To complete his honor for the evening, Pedroni was also elected Secretary-Treasurer of the League for next year.

Pedroni was named a member of the League All-Star Team to compete in the State Championships.

Out at the San Francisco shoot Pedroni annexed first place in the Any Sights Off-Hand Match, 50 yards—international target, with a score of 84. In addition, Pedroni is a fine shot with a scattergun as well as with a rifle.

PEASE WINS MASSACHUSETTS EVENT WITH 699x700

Uses Police Targetmaster

BRAINTREE, Mass.—Lester (Pappy) Pease fired seven consecutive re-entries at the South Shore League Match here . . . all at 75 feet, indoor, with temperature very low and lights dim. He dropped his 19th shot . . . the other 69 were all tens. Pease is scientific about his ammunition. He tests different brands carefully, mikes rim thicknesses, and selects absolutely unmarred bullets for his match shooting. We are proud that a rifleman like Pease has selected Police Targetmaster ammunition. He certainly gets results with it, judging by his performance at the annual Get-Together Shoot here.

FLORIDA REVERIES

Tampa

LIKE TOPSY OF UNCLE TOM'S CABIN fame the Tampa Mid-Winter Championship Pistol Match has just "grewed and grewed". In spite of the 80 targets now available, if the entry list continues to expand as in the past two years it may be necessary to add even another battery of those humanly-intelligent Bunnerlight electrically-controlled targets. Every match this year showed an average 25% increase in entries over 1939.

Next to Camp Perry this is probably the country's most popular and widely attended Pistol Match, with competitors from more than one-half the states, plus our old friends of the Cuban Army and Havana Police. The setting is ideal, the equipment superb and the "entertainment" features provide pleasant reminiscences long afterwards for those who have been fortunate enough to attend. Chief Woodruff and "Smitty" Brown apparently spend all of their waking hours making certain everyone thoroughly enjoys every minute!

In contrast to previous Tampa matches, when numerous new records have been established, only one new record was written into the books this year—a 552 in the .45 Caliber Doubles by Barrier and Perna of the Marine Corps delegation from Pensacola. (This record was later broken at Coral Gables by Hemming and Reeves—567). Strong shifting winds made the conditions just a bit too tough to crack other records for even this aggregation of the country's pistol elite.

Loyce MacCasland, the big Texan, last year's "dark-horse" winner of the Tampa tyro championship proved conclusively he must now be numbered among the country's leading pistolers by winning the .22 Aggregate with 868, two points up on Harry Reeves and 3 points over Arvid Anderson. "Mac" also won the .22 Slow Fire with a 189; Anderson the .22 National Match Course with 293; MacCasland's Texan teammate, ex-sheriff Jesse Woody outranked Harry Reeves, each with 198's in the .22 Rapid Fire Event, and Tampa's Ralph Kirk was high in the .22 Timed Fire, 199. On the same day Hemming was high in the .22 Camp Perry Course, 298, and "King-Gunsight" Charlie Askins, who later won the Center-Fire National Match Course with a 290, was high man in an entirely new event—40 shots, Slow Fire, Any Caliber, 374.

Honors were well divided on the "Center-Fire" Day with Walter Walsh copping the Aggregate, 854 x 900, and also winning the Slow Fire Event at 25 yards, 198. On the final day, Walter also won the Tompkins Memorial Trophy open to law-enforcement officers only, 289. Mack Garr of the Army team was the Slow Fire winner, 184; Lee Echols, the Timed Fire, 198; P. M. Chapman, the Rapid Fire, 194.

On the last match of the second day a name to be seen frequently on future bulletins appeared at the top of the list for the first time—Thurman Barrier of the Marine Corps, with a 295 in the Camp Perry Course, Center-Fire. Barrier was also second in the .45 Caliber Aggregate with 825; second in the All-Caliber Aggregate with 2530; fired a 286 with Perna to set a new record in the .45 Caliber Doubles,



Tampa Police Chief C. J. Woodruff holding .22-Cal.-N. M. C. Trophy, won by the Tampa Police Team

(Photos by Southern Photo and News, Tampa, Fla.)

552; was high man (291) on the winning Pensacola Naval Air Station Team in the 4-man Center-Fire, Camp Perry Course event, 1147.

Beginning with the first event on ".45 Caliber" Day ex-Marine Harry Reeves of the Detroit Policia, whose name previously had failed to appear at the top in any event, began to crash through with relentless regularity with a 184 Slow Fire, a 277 National Match Course, 841 in the .45 Aggregate. This fine scoring in the heavy caliber events boosted Reeves high in the lead for the All-Around, All-Caliber Aggregate 2555, just 25 points above Barrier who was later to give him such a tough battle for the same aggregate at Coral Gables.

Reeves was equally effective in the Doubles matches, teaming with Al Hemming in both the .22 Doubles, National Match Course to win with 549 and in the Center-Fire Doubles, National Match Course, with 564. The .22 Doubles incidentally was hotly contested with the two Treasury teams of Rogers and Chapman, Echols and Cline, also scoring "outranked" 549's.

Detroit shared with the Pensacola Marines and Tampa Police in winning the 4-man Team events, just topping the U. S. Treasury in both the Center-Fire Camp Perry Course, and the .45 Caliber National Match Course. The Tampa Police permanently broadened Chief Woodruff's smile by walking away with the .22 National Match Course 4-man Team event with 1122, 13 points higher than the U. S. Infantry Team No. 1.

Two special matches were held for the ladies, 20 shots, Slow Fire at 25 yards and the Camp Perry Course. Alice Jefferson of Tampa, last year's lady champion, repeated with scores of 195 and 284 for a winning aggregate of 479 and a 17-jewel gold watch. Similar watches of beautiful design also went to the winners of the Master, Expert, Sharpshooter and Marksmen classifications in the All-Caliber Aggregate.

In order to provide plenty of shooting for everyone, even after the regular events had closed each day, special qualifi-

cation medals were offered in four classifications. Nearly 200 entries attested to the popularity of this special event with Arvid Anderson of the Treasury compiling the only possible, 300 x 300. In the grand finale, the colorful Yankee-Rebel Match, ten-man teams over the National Match Course, the Yanks fired better than 282 per man to win over the Rebs, 2825 to 2771.

Coral Gables

Pistol shooters have long since learned to expect new and startling innovations to be awaiting them at the end of their long journey to sunshiny Florida. This is especially true at the Flamingo Tournament conducted on the range of the Palmetto Pistol Club, whose members are ready and willing to put in many weeks of strenuous labor in order to make the stay in Miami easier and more pleasant for their expected guests.

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Left: Loyce MacCasland, 22-Cal. Aggregate winner, Tampa; Center: Harry Reeves, National Mid-Winter All-Around Champion (second successive year), also winner of Flamingo Championship; Right: Walter Walsh, Center-Fire Aggregate winner, Tampa



THE OLD COACH'S CORNER

(Continued from page 20)

At normal reading distance about the smallest dimension that your eye can see and judge is 1/100 inch, and this requires first class light. In the glare and shadow of outdoors probably 1/50 inch is nearer your probable error. Now if the adjusting scales on your rear sight are simple, straight graduations with an index line, the closest that you can come in adjusting them is about 1/50 inch, that is, you will frequently make errors of adjustment about as large as that. An error of 1/50th inch makes an error of about 2 1/2 inches at 100 yards. You could never get and stay surely in the ten-ring with any such crude adjustment.

Therefore our worth while rear sights have their adjusting scales arranged on the micrometer principle, and with such a type of scale you can easily make a change as small as 1/1000 inch, and also make a written and exact record of it. 1/1000-inch on most rifles equals about a quarter inch at 100 yards, or, as we riflemen call it, a quarter minute. See that your rear sight is of a type having quarter minute micrometer click adjustments if you want real success in your shooting.

Resting the Cheek

It has just occurred to me that neither in this talk nor in the previous one have I spoken about the necessity of resting the cheek firmly against the side and comb of the stock when aiming. If you stop to think a minute you will realize that the eye must be held steady in the alinement of the sights when aiming. If your eye were to lower a trifle then you would at once see the front sight lower in the rear peep, and if your eye were to tremble around you could not aim the same for any two small intervals of time—your aim would be unsteady and uncertain. To hold your correct alinement your eye must be, as it were, a solid part of your rifle just as your two sights are. We must make it practically a part of the rifle by resting our cheek firmly on the left side and comb of the stock while we aim and hold. I don't mean to press it hard there. There should be no effort. Holding and aiming should be a relaxing rather than an effort. So your cheek should rest down on the stock much as you relax and rest your head on your pillow in bed. And the stock and its comb should be so high and thick that when you do this your eye naturally comes to rest right in the alinement of rear and front sights. It scarcely ever happens that the stock and comb are too high or too thick to let you do this—rather, it is usually the other way. If your stock is too skimpy then you must build it up if you are to get steady aim and hold. It is easy to do this by using a lace-on leather or rubber cheek pad, or by lacing a sheepskin pad on the comb; or if you wish, a good stocker can easily inlet and glue a higher and thicker comb on your stock. If your stock and comb are not right, experiment with them until they are satisfactory. Get an old shot to help you with it. In my next article I shall touch on types of telescope sights, and this matter of correct height and thickness of comb are more important with scopes than iron sights.

SINGLE-SHOT RIFLES

(Continued from page 19)

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models 44 and 44 1/2 with difficulty, and frequently write me concerning the differences. All 44 1/2 actions I have owned have borne the numerals "44 1/2" stamped on the front end of the receiver against which the forearm butts, and many Model 44's have had the numerals "44" similarly stamped. Models 45 to 56—the higher-priced Stevens "Ideal" rifles—have been made with both 44 and 44 1/2 actions, and must be distinguished by design characteristics. For example, in Model 44 1/2's the split lower ends of the breechblock remain in sight on each side of the finger lever even in the closed position, and in this model there is no screw-slotted pivot midway between the finger-lever pin and the barrel, for the breechblock slides downward rather than rotating on a pivot as in Model 44's.

Common to Both

In Models 44 and 44 1/2, the triggers are placed well under the hammers, permitting the man with a large hand to fire the gun with his hand in a relaxed, uncramped position. The triggers move far to the rear after releasing the hammers, which bothers some, but they can be provided with stops to hold them nearly at the point of release.

The hammers do not cover the firing pins in the firing position, and thus allow gas and primer bits to more easily reach the eyes in the event of primer failure, but the downward inclination of the firing pins is a partial protection.

These models have long receiver rings holding barrel shanks of .745" and .790" minimum diameters, thus limiting them to cartridges of .38-55 and smaller head sizes for safest high-pressure use. In each model a free-threaded, cross-screw locked takedown system contributes more to convenience than it detracts from accuracy.

Both actions were commonly fitted with 26" half-octagon barrels of No. 2 size, producing rifles weighing approximately 7 1/2 lbs. These proved light enough for hunting comfort, yet steady enough for most target shooting; and longer and heavier barrels of every desirable dimension were available on more expensive models for the more advanced riflemen.

Buttstocks on these models stay surprisingly tight. The tangs are long, with practically no taper in width, and thus exert no marked prying effect upon the wood. The front end of the grip is mortised into the receiver, and each tang is fastened to the stock with a wood screw. No more wood is removed for spring action than the single mainspring demands.

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The Stevens "Walnut Hill", Nos. 417 and 417 1/2

Named after a former popular model of Stevens "Ideal" rifle, the present "Walnut Hill" is a refined Model 44, fitted with a coil spring and plunger mainspring, with splendid stocks and pistol grip, and made carefully of good materials. I have watched and used many of these new actions at rifle clubs, to see how they bore the constant manipulation characterizing such use, and have found them good. If one can overlook the fact that the Walnut Hill is made for a very limited selection of cartridges compared with pre-War lists, the Model 44 can be said to have outlived all other single-shot rifles well known before the War.

cation medals were offered in four classifications. Nearly 200 entries attested to the popularity of this special event with Arvid Anderson of the Treasury compiling the only possible, 300 x 300. In the grand finale, the colorful Yankee-Rebel Match, ten-man teams over the National Match Course, the Yanks fired better than 282 per man to win over the Rebs, 2825 to 2771.

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FROM TYRO TO MASTER

(Continued from page 17)

although small boysmen being what they are, I suppose there are at least 4,000 ways since there are about 8,000 registered shooters in the country!

The first method is always to hold on some definite point such as the figure 9 at three o'clock, and adjust your windage during your sighting practice so that you will hit in the center of the bull. When so sighted in, hold off from that figure 9 for the wind changes that you see coming. I see no particular value in this method, since if you're going to hold on a definite point, why not hold on the figure 10, right smack in the middle of where you want to hit, and then, being sighted in, hold off from there?

That is the second method of holding and the one in universal use. Hold in the middle of the ten ring and sight in until you are hitting close around your cross hair under average wind conditions prevailing at that time. Then, when you see or feel the wind increasing or dropping, hold off from center enough to compensate for the change. Keep firing enough sighters to learn what these increases and lulls will do to you in the course of your string.

The third method is to know the absolute zero of your scope at all ranges and to hold off from that. Since your zero is always the same your sighting shots are fired only to learn how much to hold off under the conditions of that particular score. In my opinion this method is not as good as the second as you may have to hold off so far that there is nothing distinct to hold on. However, this method is used by one of our most consistent Master shooters so there must be something to it. It does have the advantage of adjusting from a constant instead of a variable as do the first and second methods.

In all of this holding off there is the constant danger of overdoping. We don't experiment enough on our sighting bull before we start for record; we're afraid we'll be short of time if we fool around too long on our sighter.

If you know exactly what the wind will do to you through sufficient experimentation on the sighting bull you should be able to let your shots go in the same cadence and with the same confidence as you do on a calm day.

A word as to the care of your scope. Keep the dust caps on when you're not sighting through it. Clean the lenses as necessary either with lens cleaning paper, which costs money, or with an old handkerchief which you are about to throw away. Tear the handkerchief into three-inch squares, put them into a paper envelope to keep them clean, and put them in your kit for use as needed. After use wipe off your scope and mounts with an oily rag. Put a drop of oil on the rear mount plunger occasionally, and work it in. After you have fired a lot in dust and sand take this plunger out and clean it. Be careful when you remove the plunger as it contains a strong spring that may get away from you. I saw a nationally famous shot throw two misses in a bullgun match because a grain of sand held his plunger from returning his scope to proper position.

When you first use a scope, don't be alarmed to see how wobbly you are. You wobble just as much with iron sights but you can't see it. If you squeeze 'em off gently while you wobble they'll go pretty close to the groove. When you hold off for wind don't try to set off your shot just when the cross hair is on a particular point. Let it wobble around an area centering around that point. Squeeze while you wobble around in that hold-off area just as you squeeze when you are trying to hold center and are wobbling all over the X ring. But above all, SQUEEZE!

THE MEXICAN MATCHES

(Continued from page 11)

tended a very impressive presentation of trophies and medals at the Department of Education Auditorium, General Nunez officiating. We were also entertained with a number of dances, and by a group of athletes doing gymnastics.

The following day we were taken to see an old monastery located in the Desert of the Lions, a distance of about 35 miles from Mexico City. This monastery was built in 1601, and even though it has been in disuse for many years, the walls and many of the rooms are still in perfect condition. One of the high lights of this trip was a tour through the passages and dungeons down under the monastery. From there we went to the Game Commission's game farm, where we witnessed some very interesting shooting. Turkeys were placed on top of a post, and the shooting was done with rifles at 500 meters, offhand, iron sights. A shooter drawing blood on a turkey was the winner of that bird. There was also shooting at sheep. These sheep were released at about 500 yards, across a canyon from the shooter. The latter was given 20 seconds in which to fire five shots, but could only fire while the sheep were running. Drawing blood on the sheep was counted as a kill. For the pistol shooters there were chickens sitting on posts at 150 meters. This event wound up the entertainment.

On the evening of the 21st, a group of happy American shooters boarded the train for home, amid the farewells of the Mexican shooters and the representatives of the Police Department, and the melodious strains of the Marachies Band.

THIS HANDGUN GAME

(Continued from page 16)

Instead of being 1" higher and 1" to the right, the second shot was $3\frac{1}{2}$ " higher and $1\frac{3}{4}$ " to the right, so, according to his figuring, the sight could not be accurately made. As a matter of fact his "test" proved absolutely nothing except that he didn't know much about testing. To begin with, no pistol shooter alive could possibly check the accuracy of adjustment by a test of that kind. The only way he could even approach a dependable result would be to shoot groups with the sight set a considerable number of clicks apart, find the distance between the centers of the groups and then divide that distance by the number of clicks between the settings. As a matter of fact no such test is at all necessary for the whole matter is a simple problem in arithmetic and can be more accurately solved by a few simple figures than by hours of shooting. Simply divide the number of inches in the range being shot by the distance in inches between the sights and multiply the results by the amount the sight is moved by one click of the adjusting screws and you have the amount the point of impact will be changed on the target. Neither the caliber nor the load enters into the problem in any way; it is simply a matter of the angle between the line of sight and the center line of the bore.

"Try" things in any way that is most convenient, but when you "test" a thing be sure that it is so done that the results are not made worthless by variables not connected with the thing being tested.

OVER THE NEWS DESK

1940 REGIONAL TOURNAMENTS

Because the Regional Tournament Plan was a success last season it has been enlarged for 1940 and this summer will see a total of eighteen Regional Tournaments conducted.

The classification of competitors proved such a worthwhile move at all tournaments where used in the past that this year Regional Tournament sponsors are classifying competitors into at least two groups in all matches going to make up the Regional Championship Aggregate. The Aggregate is completely classified according to the N. R. A. Classification System with prizes not only for the three top scores (without regard to the shooters class) but medals to Class winners as well.

The big prize feature of each Regional Tournament is in the Regional Championship Aggregate Match. In this event, the main prizes are two free trips to the National Matches at Camp Perry, Ohio this fall. One trip goes to the winner of the match regardless of his classification and the second goes to the high scoring competitor from the combined Sharpshooter, Marksman and Tyro Classes. If a competitor from this second group should win the first trip to the National Matches the runner-up will receive the second trip. No one who won a trip offered the Master Class last year will be eligible for the 1940 trips.

A change from the policy of a year ago is the regulation that only residents of the Region covered by the tournament may enter the Regional Championship Aggregate. The other matches on the program at almost all Regionals are open to anyone.

The first Regional Tournaments were set up to cover Regions defined by State boundaries. This year the Regions were established with "natural" boundaries according to natural competitive areas. This causes a division into different Regions of several States but so far as possible competitors have been grouped into the Regions where they would regularly compete by reason of road and rail connections. The Regions are admittedly not perfect but a plan of this magnitude requires several years to work out and if the Regionals are well attended it will eventually be possible to establish enough Regional Tournaments to allow every shooter to compete reasonably near home.

At the time of going to press practically all of the 1940 Regional Tournaments have been arranged, both as to location and date. For the benefit of all tournament rifle and pistol shooters we are publishing below not only this information but also a complete description of each region. Go over these descriptions carefully and if there is any doubt in your mind as to your Region get in touch with N. R. A. Headquarters immediately. Complete information on obtaining programs will be found for all established Regionals on the Coming Events pages.

NORTHEASTERN REGION

Rifle Tournament—East Haven, Conn., June 14, 15 and 16. Pistol Tournament—Springfield, Massachusetts, July 20 and 21.

Area—Maine, Vermont, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York—that portion south and east of the St. Lawrence River and a line drawn from Oswego to Binghamton, including all of

Oswego, Onondaga, Cortland and Broome Counties and Long Island.

EASTERN REGION

Rifle Tournament } Camp Ritchie, Maryland,
Pistol Tournament } July 3 to 7

Area—New Jersey, Delaware, Maryland, Virginia, West Virginia, District of Columbia, Pennsylvania,—excepting Erie, Crawford, Mercer, Lawrence and Beaver Counties—New York—west of the general line from Oswego to Binghamton and including all of Cayuga, Tompkins and Tioga Counties.

SOUTHEASTERN REGION

Rifle Tournament—Not yet established.
Pistol Tournament—Jacksonville, Florida, June 21-23.

Area—Tennessee, North Carolina, South Carolina, Georgia, Alabama, Mississippi and Florida.

NORTH CENTRAL REGION

Pistol Tournament—Mt. Gilead, Ohio, June 29-30.

Rifle Tournament—Jackson, Michigan, June 1-2.

Area—Ohio-Indiana—that portion lying generally east of a line South Bend-Indianapolis, Bedford-Tell City and including all of Elkhart, Kosciuski, Wabash, Grant, Madison, Hancock, Shelby, Bartholomew, Jackson, Washington, and Harrison Counties; Kentucky—that portion lying generally east of the line Owensboro-Hopkinsville and including all of Hancock, Ohio, Muhlenberg and Todd Counties; Michigan—the southern peninsula only; Pennsylvania—Erie, Crawford, Mercer, Lawrence and Beaver Counties only.

MID-WESTERN REGION

Rifle Tournament } Springfield, Illinois,

Pistol Tournament } June 21-23

Area—Wisconsin; Michigan, the northern peninsula; Minnesota, Iowa, Missouri, Illinois, Indiana—that portion west of the line South Bend-Indianapolis, Bradford-Tell City and including all of St. Joseph, Marshall, Fulton, Miami, Howard, Tipton, Hamilton, Marion, Johnson, Brown, Monroe, Lawrence, Orange and Crawford Counties; Kentucky—that portion west of the line Owensboro-Hopkinsville and including all of Daviess, McLean, Hopkins and Christian Counties; Kansas—that portion lying generally east of Big Blue and north of the Kansas River including all of Marshall, Pottawatomie, Shawnee, Douglas and Johnson Counties; Nebraska—

(Continued on page 38)

HERBERT H. GOEBEL

We deeply regret having to record, just as we go to press, the sudden death on April 15th of Herbert H. Goebel who, since 1926, has been in charge of Junior activities and Club Service work here at N.R.A. National Headquarters.

TIMED FIRE with Bill Shadel

R. A. McGoon, Secretary of the Oklahoma Rifle Association calls our attention to the state .30 caliber matches to be held June 1 and 2 at Wetumka. We appreciate this reminder because those .30 caliber shoots don't seem to be faring so well with publicity these days, and it's all wrong, says we. Now there's a he-man game for you. We've no quarrel with the small bore rifle game. It has something or it wouldn't be growing up so fast. But that .30 caliber drama—rapid-fire, from standing position to prone with the whole line digging into the dirt; a scramble to get going; the jolt after every shot; a fellow jammed up and trying his darnedest to get clear;—there's action for you. And, ranges are still being built around the country for .30 caliber firing. Texas, California, Wyoming, Illinois—lots of states where there are plenty of matches, but let's hear about them. Let's keep that part of the game going; a ranking of .30 caliber riflemen, perhaps; at least reports, publicity on the matches, hot scores, boners. Something at Perry this year like the California Civilians getting up into fourth place in the National team match at Perry '38, cutting into the monopoly of the service or guard teams. There's a try-out in every state; fourteen men this year, the selectmen to carry state colors. How about a big hand for them in every case, by way of a story for the papers and reports to NRA headquarters? Let's get acquainted with these .30 caliber hot shots, like we used to know every likely contender at Perry.

From the Los Angeles Examiner, Dallas Reib, Jr., sends us the clipping "Youngsters' Gun Urge Harnessed at Range," a picture and story of how Alhambra teaches its juniors to shoot at targets instead of alley cats and windows. "Kids are always getting hurt with guns," mused Deputy Sheriff Art Seymour of Alhambra, "why not cut down on these accidents and revive the spirit of the old West by training youngsters to handle guns?" "Good idea," said the Alhambra police, "why not use our pistol range?" And there you have a sample of smart leadership, youth direction and the answer to all this ballyhoo about taking toy guns away from the kids to wipe out juvenile crime.

Bill Schweitzer writes us setting forth all of the inducements planned this year to lure the wily .22 fan to Sea Girt on the 1st and 2nd of June. Space shortage, our chronic ailment, won't allow us to pass it all along, so we will have to rest content with telling the gang (those who have never been there) that it should be a must on their spring tournament list. No need to invite the old timers—they'll be there or break a leg trying. And then out in Missouri are the Heart of America pistol matches, again to be held in connection with their great horse and sports show out there. With N. M. and Police Course events indoors, over the regular 25 and 50 yard distances, it seems a perfect chance to fatten up old man average. And when you're not shooting, you can browse around the huge coliseum and find a great show going on any time.

INTERCOLLEGIATE FINALS

A new spy scare has been projected into the serene Annapolis surroundings of our U. S. Naval Academy. That ogre, Sabotage, reared its ugly head in the midst of an otherwise well conducted N.R.A. Collegiate Championship, with evidence of collusion directed at Penn State in the East and particularly Iowa University in the Mid-West. Navy, 1939 Champions, and for that matter, ruler of 1937, '35 and '34 Collegiate affairs, was undermined—that's all. Conceded to be favorites for the eventful firing of March 30, Navy blew up with its prize guns and gunners landing in the very midst of the opposition; Penn State, Maryland, Carnegie Tech topping Navy in the Mid-Eastern scramble.

Out in Chicago, Iowa University's guns were hammering away at tradition, with Minnesota, dominating the Big Ten teams for the last seven years, the first to give way under the shelling. Then Penn State's surprising total of 1395 went under in the East, and the last opposition, collegiate team records, wilted under a new all-high team total of 1403, leaving Iowa undisputed leadership of the 45 teams in the field.

The Eastern group has produced every national title since Minnesota's win of 1933. When Penn State pulled out ahead of Maryland, George Washington, Carnegie Tech, Navy, and the other 14 teams firing on the N.R.A. range in Washington, Lt. Col. C. N. Stevens, well known chief statistical officer of Camp Perry was beaming with hopes of a national title, according to precedent, but that was without Iowa's reckoning.

Nine teams were entered in the Chicago division. Minnesota was out of the race when they finished with 1372 despite Becker's high individual score of 286. That left Ohio State's 1383 as the only threat. Then Iowa went to work with Captain Robert Hadghin firing a 285 and teammate Virgil Pettit a 284 to definitely settle things in the Big Ten. What's more, after telegraphic reports to the N.R.A. office could be completed from all five regional meets, they were conceded the national championship.

Intercollegiate victors: The University of Iowa rifle team, surprise winners of the 1940 U. S. collegiate title. In the background, Major G. G. Parks, of the Director of Civilian Marksmanship's office, presents one of the first place medals.



In the Northeastern group, West Point Cadets led the thirteen teams firing at New Haven, with a 1358 team total, followed by U. S. Coast Guard Academy, 1355 and Yale, 1338. The four teams firing at Lincoln, Nebraska were headed by the University of Wichita; their score of 1342 leading Creighton University's best effort of 1335. In the Southland, Alabama's 1349 led five Southern schools, with Georgia Tech providing a slow second place 1324.

The summary for the national standings adds up in this fashion: Iowa, first; Penn State, second; Maryland, third; Ohio State, fourth; Carnegie Tech, fifth; Navy, sixth; Minnesota, seventh; Lehigh, eighth; Cornell, ninth; George Washington, tenth.

The individual matches fired in the same fashion, show D. R. Smith, Lehigh, the new national champion as a result of his 286 fired at Washington, D. C.; two Iowa stalwarts in the earlier team match, Hadghin and Pettit, shared second and third place with 284, Hadghin taking the ranking honors. 283 totals went from fourth to eighth places, ranked by high scorer at Lincoln, Nebraska, W. W. Wilkins of Wichita for fourth place; Clayton Rumsey, Ohio State, fifth; Ralph Bohlin, Iowa, sixth; D. W. Werner, Creighton, seventh; and F. B. Martin, Jr., Navy, eighth.

CAMP PERRY CORRECTION

In the report of the annual Director's Meeting of the National Rifle Association, on page 13 of the March issue of THE AMERICAN RIFLEMAN, an error was made in describing the courses of fire to be used in events shot at Camp Perry with the new Garand (M-1) semi-automatic rifle. It was there stated that individual matches at 200 and 300 yards, would be fired with the new rifle, as well as a ten-man team match at 600 yards; all of them specifying 16 shots per man. Actually, only the individual events will require 16 shots (two clips) per man; the team event at 600 yards calls for eight shots only to be fired by each of the ten team members.

NATIONAL RANKING PLAN FOR 1940

In every line of sport the thing that determines the champions is the *quality* of the competition which they meet and overcome. *This in its essence is the theory underlying the 1940 National Ranking plan.* Obviously, a shooter who defeats fifteen or twenty Masters and Experts on a rainy, blustery day deserves plenty of credit even though his winning score over the Dewar Course may be only 392 or 394. The 1940 National Ranking plan recognizes this fact.

National Ranking should not be confused with National Classification, which is a nation-wide system for determining a shooter's fair average scoring ability so that shooters all over the country may be properly classified on the basis of their competitive ability. National Ranking, on the other hand, contemplates only the selection of a limited number of shooters for national recognition as the outstanding competitive shots in the United States during each year.

In order to determine National Ranking for 1940, competitors will be required to fire a minimum of 480 rounds in registered competition in Class AA (National Matches), Class A (Regional Matches), or Class B (District or State Matches) only. It will also be required that a competitor must have fired in at least two of these classes of Registered Tournaments, one of which must be either his Regional Tournament or the National Matches at Camp Perry. National Ranking will be limited to Masters and Experts and will be based on the number of Masters and Experts defeated as compared with those met in competition.

THE N. R. A. CLASSIFICATION SYSTEM FOR 1940

For the past year competitors in many small bore rifle and pistol tournaments have been classified according to the N. R. A. Classification System which was adopted prior to the 1939 outdoor season. The system as worked out for last season proved very satisfactory in practically every detail and much the same plan will be followed during the present year and used when the next Outdoor Classification Book is published.

For the information of competitors attending tournaments this year the following regulations apply when competing where the N. R. A. Classification System of awarding prizes is used.

Classified Competitors

All shooters who competed last outdoor season in sufficient Registered Events to be listed in the current N. R. A. Classification Bulletin (No. 309 for pistol shooters, No. 310 for riflemen) may compete in the class indicated in those bulletins until reclassified by the N. R. A.

Unclassified Competitors

Any competitor who is not listed in the N. R. A. Classification Bulletin may be classified by furnishing the following information at the time of registration:

1. A list of Registered Tournaments fired in during the current year.
2. If the competitor has fired in no Registered Tournaments, his fair average score in local competition.
3. If the competitor has no record of local competition scores, he shall state what the highest award is that he has won in the N. R. A. Qualification series. Classification of such competitors shall be based on the same averages as were used in

(Continued on page 42)

TOURNAMENT REVIEWS

UNIVERSITY OF CHICAGO MID-WEST CHAMPIONSHIPS

The three-day "X-Ring" circus staged this year by impresarios (Barnum) Metcalf and (Bailey) Wiles at the University of Chicago could truthfully have been billed as "stupendous, colossal, amazing". For not only were new records established on March 29th, 30th, and 31st, both in scores and attendance, but also for the first time Juniors and Collegians were given their own prominent place on the program and then fired shoulder-to-shoulder with the finest of the land.

The Mid-West area National Intercollegiate Matches were fired Friday at 50 feet, on the 100 yard target frames and lighting system (from advanced firing points), later to be used in the Dewar Course "Open" events. Minnesota, for the past seven years winner in the Mid-West area was expected to repeat without too much difficulty, barring an upset from either Ohio State or Illinois. But while scopes were focused on their targets a dark-scope team from Iowa was punching out tens and a very occasional nine, with monotonous regularity. Final score: Iowa 1403; Ohio State 1383; Minnesota 1372; Washington University of St. Louis 1314; Indiana 1313; Wisconsin 1312; Illinois 1302; Lawrence Tech 1214; Chicago 1174.

On Saturday, the Interscholastics formerly held at Morgan Park Military Academy were fired in Bartlett Gym, immediately adjoining the Field House. The Culver Military Academy No. 1 Team walked away with the 5-man Team Event with 1849, a 33 point lead over the second place Evanston Township High School Team No. 1. Bob Lafferty of Aurora outranked M. H. Smith of Culver, each with 379's to win the Individual Championship. Smith was high in the Kneeling Position with 98 and also in the Prone-Kneeling with 196. Lafferty took the Sitting-Standing Event with 186; Bob Gregory of LaPorte High, the Standing Match with 89 and A. Knudsen of Lakeview High was tops in the Sitting Position with 99.

Meanwhile, the "Open" Championships had been under way since 7:00 p. m. Friday in the Field House. With over 450 entries in 6 individual (and 2 team) events, equivalent to six times over the Dewar Course, 240 shots per man, it was necessary to keep firing continuously from 7:00 p. m. Friday until 10:00 p. m. Sunday with only a six hour break (2:00 a. m. to 8:00 a. m.) on Saturday and Sunday mornings to give the operations crew a badly needed rest and to cool down the iron backstops.

Even though the range had been expanded to 50 targets, with double-tiered firing points, as compared to the 37 targets in use last year, a total of 35 hours' firing time was required, very close to the number of hours the small-bore range is in match use during the entire period of Camp Perry!

In every individual event either a new indoor record was established or an old record tied. The boys were really "hot"! "Wee Willie" Woodring alone X-ringed 2 new records and tied another; 400-36x in the 100 Yds., Any (old record 35x), 400-35x in the 50 Yd., Iron (old record 33x), and then slumped badly to only tie the indoor record of 33x in the Dewar, Iron. Larry Wilkins of Ohio 36-x'ed a possible in the Dewar, Any and "Garrulous" George Cooper of Iowa outranked Woodring with a 31x possible in the 100 Yd., Iron, to tie the old indoor records for both events. Art Koester of Missouri wrote an entirely new record into the books, with a 400-36x at 50 Yd., Any. Incidentally, in this latter event there were only 62 possibles, 14 with 31x's—pretty soft competition! Also 36 possibles in the Dewar, Any; 33-400's

in the 100 Yd., Any; 24 in the 50 Yd., Iron. Glenn Slade of the University of Chicago needed a 31x possible to win High Collegiate in both the Dewar, Iron, and 50 Yd., Any; Paul Lawson of Illinois University a 400-30x in the Dewar, Any; Cannon of Ohio State a 21x possible in the 100 Yd., Iron; Jim Stitt, Jr., of Ohio State a 400-31x in the 100 Yd., Any, and Bob Lafferty of Illinois (National Junior Champion in 1939) only a 399-30x in the 50 Yd., Iron. So you can readily see these were truly "open" championships—wide open!

Further evidence of Woodring's advancing age, dimming eyesight and approaching nervous collapse was the dropping of 38 out of a possible 240 x's in the aggregate (six times over the Dewar Course), for a 2400 x 2400 possible with 202 x's. Finland should have made a straight player trade of Mannerheim for Woodring, with the Western Cartridge Company! Three 9's in 240 shots dropped Larry Wilkins, Bob Miner and A. Koester way down to second, third and fourth place in the aggregate with their 2397's; 188x, 185x and 183x, respectively.

Bob Spahr of Illinois copped high Medal for the "Expert" classification in the aggregate with a 2397-146x. This fine performance, coupled with his second place in the St. Petersburg aggregate last month, just behind Bill Schweitzer and in front of all the other masters at the "Sunshine" Tournament indicates an early revision in Bob's rating.

Paul Lawson of Illinois University was high aggregate Collegian with 2395-171x's and Dudley Steen high aggregate Sharpshooter with 2394-181x's.

Ohio State, second in the Intercollegiate 5-man Team match turned the tables on University of Iowa in the 4-man Dewar Course Team Event to win with 1588; Wheaton College second, 1573; Iowa third, 1567. The Blackhawk Blues cast an indigo shade over the East Alton Fusiliers, 4 points up, with a 1595-111x's to win the open team match, Dewar Course, Iron Sights. Fred Johansen, who has seriously adopted the new slogan "No item of equipment costing more than \$20.00" was anchor man on the winning Blackhawk Team with 399-26x.

A fine shoot, with splendid facilities, a willingness and a wishfulness to do everything that is humanly possible for the comfort, convenience and pleasure of competitors—a sincere vote of thanks to the University of Chicago!

WESTERN KANSAS GALLERY CHAMPIONSHIPS

The Western Kansas Gallery championships of the Ellis Rifle Club attracted an entry list of ninety-three shooters, the largest entry list in any rifle shoot ever held in the state of Kansas.

Records were broken or made in six of the eleven events. Both trophy winning teams repeated as of last year. The Major John G. Cook ten man team trophy went to the McPherson Rifle Club and the Aaron A. Platner Post 151 Five Man Team Trophy was won by the Wichita Rifle Club. Eight teams fired in the Cook Match and seven in the Platner.

In the individual matches, H. A. Wagner of Syracuse was the outstanding competitor, winning five first places, one second, and one third. He set new records in two matches and established a nice total in the grand aggregate with 1509 x 1600. Mrs. Goldie M. Wagner won one first, one second, and one third, and in winning the any sight offhand match established a new mark of 185 x 200. John M. Lawson of Wichita showed one first, four seconds, and one fourth place win.

CENTRAL IOWA GALLERY RIFLE TOURNAMENT

Marshalltown riflemen, hosts at the largest registered rifle shoot ever held in the state, emerged from their March 17th tourney with the lion's share of honors in both individual and team matches. Another victory for the club was the greatly increased attendance figure, with 84 showing up to guarantee the success of the meet.

The lead-off event, prone, found Robert Freeman and M. O. Chance, both of Adel, winners in the iron and any sight classes, turning in scores of 399 and 199 respectively. In the restricted class H. I. Thoma of Mason City was victor with a 190. The kneeling event found Cecil Collins of Marshalltown ahead in the iron sight class with 188 and James Cox's 191 ahead in the any sight group. Howard Petersen's 191 led in the restricted class. The standing event went to Gerry Morrison, Marshalltown, for his 169 in the iron sight class, and high any sight medal fell to Ted Holm of Des Moines, with 178. Art Bringelson of Marshalltown topped the restricted class competitors with a 159. High iron sight shooter in the Individual Championship was Clarence Thomas of Marshalltown with 562, and in the any sight classification, Ted Holm of Des Moines with 564. High restricted class shooter was W. C. Willard of Marshalltown with 508.

A four-man team representing Marshalltown triumphed in the Central Iowa team championship match, turning in a 1093 to come out on top in the iron sight division. Waterloo took high medals in the any sight class with a 1094, and restricted award went to another Marshalltown team with 1045. Bob Fisher and E. Bragg of Waterloo teamed up for a 366 to take top place in the two-man team iron sight division, and Marshalltown's Williams and Thomas led with 374 in the any sight division. Adams and Ewalt of Marshalltown took the restricted class award with 344. The final match, with four-man teams vying for the Quinby Sporting Goods team standing championship title, went to Waterloo with 679, with Marshalltown trailing, seven points down from Waterloo's total.

CENTRAL OHIO GALLERY TOURNAMENT

The North Central Ohio Championships at Ashland, Ohio, were again successfully held on March 9th and 10th, with ninety-one competitors in attendance, from twenty-five cities. Many more were expected, but the lack of increased numbers was more than made up by the exceptional scores that were hung up.

Perry Grossklaus, the hot shot from the little town of Navarre, Ohio (a member of the Canton McKinley Rifle Club), did his stuff to the tune of a 200 x 200 plus 203 tens, beating out Clarke A. Evans of Columbus, who had the match won until late in the afternoon of the second day with his fine score of 200 x 200 plus 172 tens.

In the iron sight prone match, Eugene Huff of Coshocton did a wonderful job, outshooting all competitors with his score of 200 x 200 plus 141 tens. Huff was easily the outstanding rifleman of the matches, also having a 200 x 200 in the any sights prone, which he did not shoot off. He then went on to win the any sights three position match with a fine 291 and the rifle championship, an aggregate of the iron sights and any sights three position matches, with a score of 573, one point ahead of George Washburn. Washburn took the offhand match with a 186 x 200.

Dorothy Pfeleiderer, Mrs. W. R. Rhinehart of Galion, Ohio, and Dorothea Kelly from Akron, held up the women's end. Dorothy Pfeleiderer winning the handicap match with a 300 possible. Mrs. Rhinehart placing second in the offhand match, just three points

behind the winner, score 183 and Dorothea Kelly with a 200 possible in the iron sights prone match. Her second shot of the shoot-off placed her in fifth position.

Curtis Cady was the winner of the iron sight three position match, score 286 x 300, closely followed by George Washburn with 285. In the pistol matches R. S. Marshall, "shootin' Sheriff" from Lima, did himself proud by taking five of the eight matches and placing second in the other three, winning the .22 rapid-fire, center-fire slow-fire, .22 three-stage, C. F. rapid-fire, and C. F. three-stage matches.

Hoover Skeese, the Akron cop, was the winner of the C. F. timed-fire match. A. R. Fellabom, another law officer from Lakewood, took over the .22 timed-fire, and John L. Thompson of Dayton the .22 slow-fire. De Witt Erk of Columbus topped the junior riflemen, outranking in a three way tie at 199 x 200. So another shoot is now history with a good time enjoyed by all.—I. N. WAGNER

PISTOL MATCHES AT FORT HAYES

William E. Woods of Akron, Ohio, in the Expert class, walked away with the Mid-West and Ohio Gallery Pistol Championships, at the 15th annual Mid-West and Ohio matches held at Fort Hayes, Columbus, on March 31. Woods registered his win by consistently high scores in each of four events, only winning one single event from the Master classmen. He won the Mid-West aggregate by seven points with Ralph S. Marshall of Lima, and E. T. O'Dell of Detroit trailing. In the Ohio match he led Marshall by three points.

Marshall, 1939 Ohio Champ and the No. 1 ranking Civilian in the U. S. won two events; C. E. Harman, Dayton, took four Expert class matches; E. T. O'Dell, Detroit won three matches, setting new national records in the slow-fire and in the .22 caliber rapid-fire. Marshall also set a new U. S. record in the 3-stage center-fire event. All firing was at 50 feet. Lloyd Bender, Galion, won four of the Marksmen class matches and J. C. Kelsey, Akron, took five events in the Tyro class.

In the team matches, the Great Lakes Pistol Club, Detroit, demonstrated that the world's champion Detroit Police Team has not garnered all of the good hand-gun artists in the auto city by winning both team matches. In the 3-stage team match they set a new national record of 1099, the old record of 1071 being held by the Canton Pistol Club; Goodrich, Akron, scored 1093 and Goodyear Zeppelin, Akron, also broke the record with 1078 to take third. The slow-fire team match was also won by the Detroit team, 686 to Goodyear's 683.

Seventy registrations made this the largest gallery match ever conducted by the Ohio Rifle and Pistol Association.—H. D. ERK

NON-REGISTERED EVENTS

ILLINOIS—The Commonwealth Edison Rifle and Revolver Club's Gallery Rifle Tournament held on their range in Chicago, saw one hundred and two competitors, representing clubs from Illinois, Indiana and Wisconsin, on the firing line during the 3-day meet, March 15th, 16th and 17th.

The Winnetka Rifle Club team combination of "Doc" Davis, J. B. George, D. W. Steen and W. Shilling won both 4 position team events. In the any sight event Winnetka team's 764 was 12 points better than Lawson Y. M. C. A.'s 752 for second place. In the iron sight event Winnetka's 762 outclassed Lawson's 747. C. E. Nordhus's 193 outranked John George's 193 for first place in any sight 4 position event and in the iron sight individual, D. W. Steen of Maywood, Illinois took first place with a 194.

A 40-shot iron sight prone match was added this year and proved to be the most hotly

contested of the tournament. Chicago's E. K. Water's turned in a 400 possible which stood through the remaining two days of the tournament to take first place. George's 399 outranked E. R. Schreiber and R. V. Miner's 399's for second place. Nordhus again was heard from in the prone-standing event when he turned in a hot score of 197, 5 points better than E. G. Cook's 192. R. C. Hopper's 200 possible took first place for the prone-sitting individual with E. G. Cook taking 2nd place with a 198. The two-man team prone-sitting was won by the D. W. Steen-John George combination with a 395. G. F. Blackman and R. E. Gault dropped to 2nd place with a 394.

The consistent shooting of John George throughout the tournament gave him first place in the Aggregate with a 979, with Steen in second place with a 973 and Bill Sasko third with 972.—ROY E. GAULT

NEW MEXICO—State Gallery Tournament. New Mexico shooters on March 10th completed the 1940 annual gallery rifle and pistol matches conducted by the State Rifle and Pistol Association. Both were postal matches and were fired at a range of 50 feet with .22 caliber arms only.

The rifle match was won individually by James Flanagan of Las Cruces with the excellent score of 1909. The other high individuals were Ed Harrington, Alamogordo—1887, C. R. Hiatt, Albuquerque—1856, H. F. Walti, New Mexico Military Institute—1849, and C. A. Harp, New Mexico Military Institute—1844. The New Mexico Military Institute team was high with a score of 9259.

In the pistol match, L. D. Parker of Roswell was high individual with a score of 1111. Other high individuals were: James Flanagan, Las Cruces—1106, John Stephenson, Santa Fe—1089, William R. Lockett, Las Cruces—1077, and Joe Medinger, Las Cruces—1072. The Roswell Rifle Club pistol team was high team with a score of 4269.—L. D. W.

NEW YORK—St. John's Invitational Tournament. City College's rifle squad won the eleventh annual St. John's University invitation metropolitan intercollegiate tournament on March 24th in a field of nine teams, with N. Y. U. second, seven points back and Fordham another seven behind the violet.

The order of finish was the same as last year, but all three of the leading teams turned in higher scores than in 1939. City College's 905 out of a possible 1,000 was five points above its attainment of last year; N. Y. U.'s 898 topped its last year's score by twenty points, and Fordham's marksmen outdid their previous mark by fourteen points.

City College's victory this year came as something of an upset, as N. Y. U. had completed its Metropolitan Conference season undefeated and went into this tournament the favorite. The victory gives City College a second leg on the trophy put up by St. John's, the only other leg being held by N. Y. U. with three necessary for permanent possession.

The tournament was held on the fifty-foot range of the Metropolitan Rod and Gun Club in its new quarters at 162 Pacific Street, Brooklyn.

Competition for individual honors was close, first place going to Arthur Hoffmeyer, of City College. His score of 185 was equalled by Achilles Severino of St. John's but Hoffmeyer had 44 in the offhand position against Severino's 43.

NORTH CAROLINA—Wilmington Invitational Small Bore Matches. Kannapolis marksmen walked away with top honors in the final round of the first annual midwinter small bore tournament staged on the Sunset Park range March 2nd and 3rd, with individuals from Charlotte, Asheville and Wilmington dividing the remainder of the first places. L. D. Holbrook of the Kannapolis

team was one of the leading contenders of the second day of the meet, capturing first places in the 50 yard events in both telescope and iron sight classes with a 399 iron sight score. In the 100 yard individual H. F. Suther of Kannapolis scored 199 to take top place, and the Dewar iron went to J. N. Dwell of Charlotte, score 395. A Dewar two-man affair went to the combination of Fred and Alice Molt of Asheville, turning in a total of 396.

In the matches fired on the first day of the tourney, Alice Molt led off by snaring top place in the 50 yard iron event, to gain a lead for the fair sex that she, in company with her husband, held in the two—"man" event on the following day. H. F. Suther scored 197 to lead the field in the 100 yard any match, and Norman Boger of Kannapolis was victor in the 50 meter match with a 197.

PENNSYLVANIA-OHIO—The Interstate Rifle League closed their successful indoor season and met on the Ellwood City Rifle Range in a grand "get-together" of all teams at one time and staged a six team event as the finale to their gallery season. Eight gold medals went to the winning team as well as a gold medal for individual high, a silver for second and bronze for third individual. The Ellwood City Riflemen are to be commended on their splendid management of six teams at once without flaws or troubles. Almost one hundred per cent attendance made this a social gathering as well as highly competitive shooting.

Competition was very keen between the teams and it was nearly at the last relay before it became evident that Ellwood had a slight lead. On the last relay Martin Neuhäuser of the Zelenople team fired a fine 239 bringing his team a two point lead besides individual high for himself. George Milnes was second high individual with 238 (Ellwood team) and Haber (Ellwood) and Finley of New Castle tied for third individual with 236 each. Ellwood was first to congratulate Zelenople for winning the gold medals even though they were themselves just beaten by 2 points after they seemed to have the lead. Such is sportsmanship. The New Castle team was third. There were at least eighty-five shooters present and all felt that this was again the crowning event of their league season except our champions, New Castle, who are looking forward to more shooting through the N. R. A. Gallery Championship.—H. E. SCHMID

MINNESOTA—Arrowhead Gallery Pistol Tourney. Marksmen competing in the first annual Minnesota Arrowhead Pistol tournament at Virginia, on March 31st, found their most persistent competition was coming from a woman. If it hadn't been for Duluth's ace pistol shot, G. H. Paris, this woman would all but have scored a clean sweep of the tournament. The Duluth man copped the grand aggregate prize in the expert class.

The woman who captured the spotlight in the tourney is Alice Wood of Baudette, Minn. She came within a point of tying Paris for the grand aggregate prize. Ivar Branstrem, Virginia, was third. As it was, she ranked second best in the grand aggregate expert class and took first places in the timed-fire event and second place in the slow-fire event.

John Whereley, International Falls, copped first place in the restricted or non-expert class. He was followed by Percy McGibbon, Superior, in the run for the restricted grand aggregate prize.

First prize in the team event went to Superior, followed by Lake of the Woods pistol club and the Northwestern Gun Club of Duluth. Virginia's two teams did not place. A trophy posted for the winner of a special event for Virginia entries in the shoot was won by William B. Odegard. The trophy will remain in his possession for one year.—Virginia (Minn.) Enterprise.

COMING EVENTS

Alabama

B May 4-5: Alabama Small Bore Rifle tournament, Birmingham, Alabama. Sponsored by Alabama State Rifle Ass'n. Write J. P. Prince, 1852 Princeton Avenue, Birmingham, Ala.

B June 2: Alabama State Pistol Tournament, Birmingham, Alabama. Sponsored by Alabama State Rifle Ass'n. Write J. P. Prince, 1852 Princeton Avenue, Birmingham, Alabama.

July 6-7: Alabama Big Bore Rifle Matches. Sponsored by Alabama State Rifle Association. Write J. P. Prince, 1852 Princeton Avenue, Birmingham, Alabama.

Arizona

C May 12: Arizona Pistol Tournament, Tucson, Arizona. Write C. Howard Hathaway, Box 71, Tucson, Arizona.

California

B May 4-5: California State Small Bore Tournament, Visalia. Sponsored by California State Rifle and Pistol Ass'n. Write L. A. Pope, 532 Oakford Drive, Los Angeles.

May 12: Annual Grimsley Trophy Match, Stockton, California. Sponsored by The Roberts Island Rifle Club. Write Leslie G. Little, 1434 N. Monroe Street, Stockton, California.

May 12: Richmond Rifle and Revolver Club Pistol Tournament, Richmond, Calif. Write E. J. Martin, 325 12th St., Richmond, Calif.

C* May 19: San Francisco Traffic Police Monthly Tournament, Fort Funston, California. Sponsored by San Francisco Traffic Police Revolver Club. Write E. J. Dutil, 324 16th Avenue, San Francisco, California.

May 26: San Jose Pistol Club Pistol Tournament, San Jose, California. Write F. E. Zingheim, Bank of America, San Jose, California.

C* June 1-2: Seventh Annual Western Small Bore Rifle Tournament, Richmond, California. Write Ernest J. Martin, 325 12th Street, Richmond.

C* June 2: Southland Pistol Match, San Diego, California. Sponsored by San Diego Police Revolver Club. Write R. S. Pease, Route 3, Box 84, San Diego, Calif.

June 7-8-9: California State .30 Caliber Rifle Matches, San Luis Obispo. Sponsored by California State Rifle and Pistol Ass'n. Write L. A. Pope, 532 Oakford Drive, Los Angeles.

June 9: Alameda Police Revolver Club Pistol Tournament, Alameda, Calif. Write Captain J. W. Strohm, 2247 Central Ave., Alameda.

A* June 14-16: Far Western Regional and Pacific States Pistol Tournament, San Francisco. Sponsored by San Francisco Traffic Police Revolver Club. Write E. J. Dutil, 324 16th Ave., San Francisco.

A* June 22-23: Far Western Regional Small Bore Tournament, Glendale. Sponsored by Glendale R. & R. Club. Write Wally Robbins, 1110 N. Kenilworth, Glendale.

June 29-30: 4th Annual All Night Outdoor Small Bore Shoot, Sacramento, California. Sponsored by Capital City Rifle and Revolver Club. Write E. L. Bryant, 2642 32nd St., Sacramento.

C July 7: 3rd Annual Semana Nautica Small Bore Rifle Tournament, Santa Barbara. Sponsored by Walton Rifle Club. Write Captain J. W. Baldwin, 116 Bath St., Santa Barbara.

B July 27-28: California State Pistol Tournament, Glendale. Sponsored by California State Rifle and Pistol Association. Write L. A. Pope, 532 Oakford Drive, Los Angeles.

B August 2-3-4: 6th Southwest International Pistol Matches, San Diego, California. Sponsored by San Diego Revolver Club. Write R. S. Pease, Route 3, Box 84, San Diego, Calif.

Connecticut

May 19: Small Bore Rifle Tournament, Weston, Conn. Sponsored by Norwalk Rod and Gun Club. Write William Clough, 92 South Main Street, South Norwalk, Connecticut.

June 9: 1st Annual Pistol Tournament, Woodbridge, Conn. Sponsored by Brunswick Rifle and Revolver Club and the Seymour Police. Write Joseph Bennett, First Street, Seymour.

June 9: 2nd Annual Small Bore Tournament, Bristol, Conn. Sponsored by Bell City Rifle Club. Write Paul W. Hardy, Shuttle Meadow Rd., Plainville, Conn.

A* June 14-16: Connecticut State and Northeastern Regional Small Bore Rifle Tournament, East Haven. Sponsored by Connecticut State Rifle & Pistol Association. Write J. Russel Lent, % Lyman Gunsight Corp., Middlefield.

Delaware

B August 3-4: Delaware Tidewaters Rifle Tournament, Wilmington, Delaware. Sponsored by Marksman Club of Wilmington. Write Floyd C. Wince, P. O. Box 302, Wilmington, Delaware.

District of Columbia

May 5: Potomac Valley Rifle Tournament, Washington, D. C. Sponsored by District of Columbia Rifle Club. Write E. B. Tiller, 1820 Clydesdale Place, Washington, D. C.

C June 16: 12th Precinct Pistol Club Tournament, Washington, D. C. Sponsored by 12th Precinct Pistol Club. Write E. E. Devey, 3921 21st St., N. E., Washington, D. C.

Florida

May 11-12: Florida State Heavy Caliber Championships, Winter Haven, Fla. Write Fred W. Knapp, P. O. Box 4, Florence Villa, Florida.

A* June 21-22-23: Southeastern Regional and Florida State Pistol Tournament, Jacksonville, Fla. Write C. A. Brown, Hotel Thomas Jefferson, Tampa, Florida.

Georgia

C June 1-2: 8th Annual North Georgia Rifle Tournament, Atlanta, Georgia. Sponsored by Atlanta Rifle Club. Write R. D. Sheppard, 708 Southern Railway Bldg., Atlanta, Georgia.

Idaho

B May 19: Idaho State Rifle Tournament, Boise. Write Rupert Shaw, Boise, Idaho.

Illinois

May 5: 6th Annual Small Bore Rifle and Pistol Matches, Havana, Illinois. Sponsored by Havana Post Rifle Club. Write Walter Hahn, R. F. D. No. 2, Havana, Illinois.

May 11-12: 2nd Annual Police and Civilian Pistol Match, Chicago Heights, Illinois. Write Capt. John R. Costabile, Police Headquarters, Chicago Heights, Illinois.

May 15: .30 Caliber Matches, Ft. Sheridan, Illinois. Sponsored by American Legion Rifle League of Cook County. Write Morrison Worthington, 20 North Wacker Drive, Chicago, Ill.

May 19: Outdoor Pistol Match, Chicago. Sponsored by Chicago Revolver Club. Write Otto Widemark, 3106 Fullerton Avenue, Chicago.

C May 19: Central Illinois Small Bore Rifle Tournament, Springfield, Illinois. Sponsored by Springfield Y. M. C. A. Rifle Club. Write Ben A. Barnes, 1709 Whittier Ave., Springfield, Ill.

May 19: Illinois Rifle Association Rifle Matches, Ft. Sheridan, Ill. Sponsored by Illinois Rifle Ass'n. Write Michael Gawron, 3434 N. Avers Ave., Chicago, Ill.

May 26: Illinois Rifle Association Small Bore Matches, Ft. Sheridan, Illinois. Sponsored by Illinois Rifle Association. Write Michael Gawron, 3434 N. Avers Ave., Chicago, Ill.

C* June 2: Small Bore Rifle Tournament, Bloomington, Ill. Sponsored by V. F. W. Rifle Club. Write Frank S. Davis, 1316 W. Olive St., Bloomington, Ill.

C June 9: Illini Spring Small Bore Rifle Tournament, Champaign, Illinois. Sponsored by Illini Gun Club. Write P. E. Hotchkiss, 804 W. Healy, Champaign, Illinois.

June 9: Outdoor Pistol Match, Chicago, Illinois. Sponsored by Hyde Park Y. M. C. A. Rifle and Pistol Club. Write Ralph B. Larsen, 7713 S. Calumet Ave., Chicago, Illinois.

June 16: .30 Caliber Matches, Fort Sheridan, Illinois. Sponsored by American Legion Rifle League of Cook County. Write Morrison Worthington, 20 North Wacker Drive, Chicago, Ill.

A* June 21-22-23: Mid-Western Regional and General Grant Rifle and Pistol Tournament, Springfield. Write Howard H. Bentley, Illinois State Police, Springfield, Ill.

June 30: Outdoor Pistol Match, Chicago. Sponsored by Chicago Revolver Club. Write Otto Widemark, 3106 Fullerton Ave., Chicago.

C July 21: Illini Summer Pistol Tournament, Champaign, Ill. Write P. E. Hotchkiss, 804 W. Healy, Champaign, Ill.

Indiana

C May 19: Annual Mid-West Small Bore Rifle Tournament, Lafayette. Write W. F. Mathews, Lafayette, Indiana.

May 26: 4th Annual Southeastern Indiana Smallbore Rifle and Pistol Matches, Batesville, Ind. Sponsored by Batesville Rifle Club. Write Chester Heinlein, 309 West Pearl St., Batesville.

Iowa

C May 26: Iowa Restricted Class Rifle Tournament, Des Moines, Iowa. Sponsored by Iowa State Rifle Association. Write G. G. Cooper, 816 Telephone Bldg., Des Moines, Iowa.

C* June 2: Eastern Iowa Rifle Tournament, Muscatine, Iowa. Sponsored by Muscatine Rifle Club. Write Dr. J. G. Johnston, 219 W. 7th St., Muscatine, Iowa.

B June 15-16: Iowa State Rifle Tournament, Des Moines, Iowa. Sponsored by Iowa State Rifle Association. Write G. G. Cooper, 816 Telephone Bldg., Des Moines, Iowa.

B July 13-14: Iowa State Pistol Tournament, Des Moines, Iowa. Sponsored by Iowa State Rifle Association. Write G. G. Cooper, 816 Telephone Bldg., Des Moines, Iowa.

Kansas

C June 29-30: Sunflower Small Bore Rifle Tournament, Topeka, Kansas. Sponsored by Capital City Rifle Club. Write Lawrence E. Brooks, 1419 Van Buren St., Topeka, Kansas.

Kentucky

C May 5: Annual Derby Rifle Tournament, Louisville, Kentucky. Sponsored by Louisville Rifle Club. Write Harry M. Wheat, 4633 S. First St., Louisville, Kentucky.

B June 16: Kentucky State Pistol Tournament, Lexington, Kentucky. Sponsored by Lexington Pistol Club. Write Warren L. Bain, Jr., 219 N. Limestone, Lexington, Kentucky.

Louisiana

B* May 18-19: Louisiana State Rifle Tournament, Baton Rouge. Write Major H. E. Fuller, Louisiana State University, University, La.

Maryland

C May 26: Allegheny Rifle League Open Rifle Tournament, Frostburg, Md. Write Harry Morgan, 141 Frost Ave., Frostburg, Maryland.

C June 9: Maryland State Association Rifle Tournament, Camp Ritchie, Maryland. Note: Open only to clubs affiliated with the Maryland State Rifle & Pistol Association. Write T. R. Penn, 4027 Roland Ave., Baltimore, Md.

C* June 23: Sparrows Point Open Pistol Tournament, Sparrows Point, Maryland. Sponsored by Sparrows Point Police Club. Write Chief Marcus H. Miles, Police Department, Sparrows Point, Md.

A* July 3 to 7: Eastern Regional Small Bore Rifle and Pistol Tournament, Camp Ritchie, Md. Sponsored by Eastern Small Bore Association. Write Tom Davis, 60 Warren St., New York City.

Massachusetts

May 5-12-26; June 9-16: Eastern Massachusetts Rifle League Tournaments, Camp Curtis Guild, Wakefield. Write David C. McNeill, 33 Beckford Street, Beverly, Mass.

C May 19: Ludlow Fish and Game Club Spring Tournament, Ludlow, Mass. Sponsored by Ludlow Fish & Game Club. Write Harold V. Lovett, Indian Orchard, Ludlow, Mass.

May 30: Annual Memorial Day Open Shoot, West Concord, Mass. Sponsored by Middlesex Rifle Club, Inc. Write D. J. Hardesty, 12 De Mars St., Maynard, Mass.

June 2: 2nd Annual Small Bore Rifle Shoot, New Bedford R. & R. C. & South Shore R. & R. League. Write Everet M. Willey, 566 Pleasant St., New Bedford, Mass.

B June 22-23: Massachusetts State Small Bore Tournament at Ludlow. Write H. F. Friedman, Jr., 50 Grafton Street, Newton Center, Mass.

A* July 20-21: Northeastern Regional Pistol Tournament, Springfield. Sponsored by East Longmeadow Gun Club. Write Louis J. Deitz, 1214 Main St., Springfield.

July 20 to 28: United Services of New England Matches, Wakefield, Mass.

Michigan

C* May 12: Flint Spring Pistol Tournament, Flint, Michigan. Sponsored by Flint Rifle and Pistol Club. Write Kenneth F. Gilman, 311 E. Wood St., Flint, Michigan.

C* May 19: Flint Spring Small Bore Rifle Tournament, Flint, Michigan. Sponsored by Flint Rifle and Pistol Club. Write Kenneth F. Gilman, 311 E. Wood St., Flint, Michigan.

A* June 1-2: North Central Regional Pistol Tournament, Jackson. Write Roscoe Gray, P. O. Box 275, Jackson.

C* June 8-9: 4th Annual Outdoor Rifle Tournament, Flint. Sponsored by Central Michigan Rifle and Pistol Association. Write Wilbur W. Miller, 647 South 10th St., Saginaw.

B June 22-23: Michigan State Pistol Tournament, Jackson, Michigan. Sponsored by Michigan State Rifle and Pistol Club. Write Harold Headley, 131 Lakeview Ave., Battle Creek.

Minnesota

May 12: Annual Mankato Rifle Club Spring Smallbore Rifle Matches, Mankato, Minnesota. Write B. Buckley, 221 Nicolet Ave., Mankato.

C* June 9: 5th Annual Small Bore Rifle Tournament, Albert Lea, Minn. Sponsored by Albert Lea Rifle and Pistol Club. Write H. F. Flohr, 509 Grace St., Albert Lea, Minn.

June 16: 2nd Annual Small Bore Rifle Tournament, Hibbing, Minnesota. Sponsored by Hibbing Rifle and Pistol Club. Write Geo. R. Maddison, 145 W. Howard St., Hibbing, Minn.

C July 20-21: 9th Annual Minnesota-Arrowhead Small Bore Registered Tournament, Virginia, Minnesota. Sponsored by Virginia Rifle Club. Write Andrew Bradish, Virginia, Minn.

C August 4: 2nd Annual Arrowhead Outdoor Pistol Tournament, Virginia, Minnesota. Sponsored by Virginia Rifle Club. Write Andrew Bradish, Virginia, Minn.

Missouri

C May 7 to 11: Heart of America Indoor Pistol Tournament, Kansas City, Missouri. Sponsored by Kansas City Police Department. Write D. H. Chiles, Police Headquarters, Kansas City.

May 18-19: Missouri State Big Bore Rifle Matches, Jefferson City, Mo. Sponsored by Missouri State Rifle and Pistol Ass'n. Write E. E. Dittbrenner, Jefferson City, Mo.

B May 18-19: Missouri State Pistol Tournament, Jefferson City, Missouri. Sponsored by Missouri State Rifle and Pistol Association. Write E. E. Dittbrenner, Jefferson City, Mo.

B July 20-21: Missouri State Small Bore Rifle Tournament, St. Charles. Sponsored by Missouri State Rifle and Pistol Association. Write E. E. Dittbrenner, Jefferson City, Missouri.

Montana

B June 19 to 23: 15th Annual Northwest Rifle and Pistol Matches, Fort Missoula, Mont. Sponsored by Northwest Rifle Ass'n. Write T. A. Krall, Milltown, Mont.

June 21-22-23: 30 Caliber Elimination Matches for Camp Perry Civilian Team, Camp Ayers, Ft. Harrison, Montana. Sponsored by Montana Rifle Association. Write Capt. E. F. Bullock, Bozeman, Mont.

C July 7: The Opening Anaconda Rifle Tournament, Anaconda, Montana. Sponsored by Anaconda Rifle and Pistol Tournament. Write W. A. Traver, No. 2 Chestnut St., Anaconda.

C August 10-11: The Anaconda Summer Rifle Tournament, Anaconda, Mont. Sponsored by Anaconda Rifle & Pistol Club. Write W. A. Traver, No. 2 Chestnut St., Anaconda, Mont.

Nebraska

C June 2: 360 Club Spring Pistol Tournament, Omaha, Nebraska. Sponsored by 360 Rifle and Pistol Club. Write J. B. Crawford, 2655 St. Mary's Ave., Omaha, Nebr.

B July 14: Nebraska State Small Bore Rifle and Pistol Tournament, Omaha, Nebr. Sponsored by Nebraska State Rifle and Pistol Association. Write J. B. Crawford, 2655 St. Mary's Ave., Omaha, Nebr.

B July 27-28: Corn States Pistol Tournament, Omaha, Nebr. Sponsored by 360 Rifle and Pistol Club. Write J. B. Crawford, 2655 St. Mary's Ave., Omaha, Nebr.

New Hampshire

June 1-2: First Annual Outdoor Pistol Tournament, Portsmouth. Write H. W. Berowsky, 419 Marcy St., Portsmouth, N. H.

New Jersey

May 5: 7th Annual 50 Meter Rifle Matches, West Orange, N. J. Sponsored by Amateur Rod and Gun Club. Write R. B. Champlin, 18 Belle Terre Road, West Orange, N. J.

May 11: Hudson County Indoor Junior Rifle Match, Kearny, New Jersey. Sponsored by Junior Division of Arlington Rifle and Pistol Club. Write C. W. Tilley, 87 Beech St., Arlington, N. J.

May 17-18-19: Rock View Pistol Tournament, Montague, N. J. Sponsored by Rock View House. Write William Lewis, 164 W. State, Trenton, N. J.

C May 19: 3rd Annual Southern New Jersey Small Bore Rifle Championships, Haddonfield, N. J. Sponsored by Hutton Hill Rifle and Revolver Club. Write John G. Hubbard, 641 Pamon Ave., Haddonfield, N. J.

May 24-25: Wilburtha Pistol Tournament, Wilburtha, N. J. Sponsored by New Jersey State Police.

B June 1-2: Sea Girt Championships, Sea Girt, N. J. Sponsored by Association of New Jersey Rifle and Pistol Club. Write Alvin A. Ferber, Madison Avenue, Lakewood, N. J.

C June 1-2: Sea Girt Junior Championship, Sea Girt, N. J. Sponsored by Association of New Jersey Rifle and Pistol Club. Write Alvin A. Ferber, Madison Avenue, Lakewood, N. J.

New Mexico

May 5: Coronado Cup Match, Santa Fe, New Mexico. Sponsored by New Mexico Rifle and Pistol Association. Write B. L. Smith, Santa Fe.

C June 1-2: Clovis Small Bore Rifle Tournament, Clovis. Sponsored by Clovis Rifle and Pistol Club. Write John B. Ledbetter, Clovis.

June 22: New Mexico State Championship Rifle Match, Santa Fe, New Mexico. Sponsored by New Mexico State Rifle and Pistol Ass'n. Write B. L. Smith, Santa Fe, New Mexico.

June 23: Camp Perry Tryouts, Santa Fe. Sponsored by New Mexico State Rifle and Pistol Association. Write B. L. Smith, Santa Fe.

New York

May 5: Lucky Target Shoot, Southampton. Write J. Quinlan, Southampton, L. I., N. Y.

C May 11-12: 10th Annual Hudson Valley Small Bore Rifle Tournament. Sponsored by Poughkeepsie Rifle Club. Write Charles Hoyt Smith, P. O. Box 1009, Poughkeepsie.

May 19: Annual Outdoor Matches, Ossining, N. Y. Sponsored by Metropolitan Rifle League. Write Austin A. Huffman, Valley Cottage, N. Y.

C* May 26: Registered Pistol Tournament, Albany, N. Y. Sponsored by New York Central A. A. Rifle and Revolver Club. Write O. E. Whitbeck, 122 Morris St., Albany, N. Y.

June 2: 4th Annual Small Bore Tournament, Nassau, New York. Sponsored by Forbes Rifle and Pistol Club, Inc. Write Henry Ristau, 38 Walker St., Rensselaer, N. Y.

C June 9: Spring Small Bore Rifle Tournament, Elmira, N. Y. Sponsored by Elmira Rifle and Pistol Club. Write W. G. Allen, 106 Larchmond Road, Elmira, New York.

B June 8-9: New York State Pistol Tournament, Syracuse. Write Lt. J. H. Bloss, Federal Bldg., Syracuse, New York.

C June 30: Frontier Gun Club Rifle Tournament, Buffalo, N. Y. Write C. M. Bickers, 187 Leroy Ave., Buffalo, N. Y.

C June 29-30: Long Island Rifle Association Spring Small Bore Rifle Tournament, Woodbury, L. I., N. Y. Write R. A. Zehl, 6671 70th St., Maspeth, L. I.

B* July 13-14: 2nd Annual Reg. Pistol Tournament, Roslyn, L. I., N. Y. Sponsored by Roslyn R. & P. Club. Write S. E. Ellis, 26 Kennworth Rd., Port Washington, L. I., N. Y.

C July 20-21: 4th Annual Western New York Pistol Tournament, Buffalo, N. Y. Sponsored by Buffalo Shooting Club. Write Geo. B. Young, 270 Delaware Ave., Buffalo, N. Y.

C July 27-28: New York Southern Tier Small Bore Tournament, Elmira, New York. Sponsored by Elmira Rifle and Pistol Club. Write W. G. Allen, 106 Larchmond Road, Elmira, N. Y.

C August 3-4: Poughkeepsie Rifle Club All Range Tournament, Poughkeepsie. Sponsored by Poughkeepsie Rifle Club. Write Charles Hoyt Smith, P. O. Box 1009, Poughkeepsie.

North Carolina

B May 3-4: Annual North Carolina Small Bore Rifle Tournament, Gastonia, North Carolina. Write N. J. Beger, 113 North East Avenue, Kannapolis, North Carolina.

June 21-22-23: Sixth Annual State of N. C. 30 Caliber Rifle Championship & National Match Team Tryouts, Fort Bragg. Write Captain H. M. Rooney, Box 110, Linville, North Carolina.

Ohio

May 5: 2nd Annual Spring Rifle Tournament, Grove City, Ohio. Write Pat Grooms, Box 262, Grove City, Ohio.

C May 11-12: Annual Fort Harmar Spring Rifle Tournament, Marietta, Ohio. Sponsored by Fort Harmar Rifle Club. Write H. W. Meiser, 621 7th Street, Marietta, Ohio.

May 25-26: 5th Annual Muzzle Loading Rifle and Pistol Tournament, Lima. Write R. G. Patterson, 320 W. Spring Street, Lima, Ohio.

C May 26: Decoration Day Rifle Tournament, Akron, Ohio. Sponsored by Zeppelin Rifle Club. Write Merle Israelson, P. O. Box 211, East Akron, Ohio.

June 9: Annual Spring Small Bore Open Shoot, East Liverpool. Write David Fugate, Idaho Ave., Pleasant Heights, East Liverpool.

June 9: Preliminary .30 Caliber Tryout for Southern Ohio Riflemen, Cincinnati. Write P. W. Kendall, 662 Glenwood Ave., Cincinnati, Ohio.

C June 1-2: 6th Annual German Rifle Club Registered Rifle Tournament, Cleveland, Ohio. Sponsored by German Rifle Club. Write Marianne Jensen, 3208 West 112th Street, Cleveland, Ohio.

June 23: Ohio State .30 Caliber Rifle Matches, Camp Perry, Ohio. Sponsored by Ohio Rifle & Pistol Association. Write Miles E. Goll, 119 Forest Avenue, Dayton, Ohio.

C* June 23: First Annual June Pistol Tournament, Akron, Ohio. Sponsored by Summit County Pistol League. Write J. C. Kelsey, 133 Highpoint Avenue, Akron, Ohio.

A* June 29-30: North Central Regional and Ohio State Rifle Tournament, Mt. Gilead, Ohio. Sponsored by Ohio Rifle & Pistol Association. Write Miles E. Goll, 119 Forest Avenue, Dayton.

C July 6-7: Independence Day Week-end Rifle Tournament, New Philadelphia, Ohio. Sponsored by Tusco Rifle Club. Write Warren H. Tonkin, 933 West High Avenue, New Philadelphia, Ohio.

B July 21: Ohio Rifle & Pistol Association State Pistol Tournament, Dayton, Ohio. Write Charles G. Kallensee, 3917 East Third Street, Dayton.

B July 27-28: Zeppelin Small Bore Rifle Tournament, Akron, Ohio. Sponsored by Zeppelin Rifle Club. Write Tom Weaver, 1585 Englewood Avenue, Akron, Ohio.

AA* August 18 to September 7: National Matches, Camp Perry, Ohio. Write National Rifle Association after July 1st.

Oklahoma

C* May 5: Spring Small Bore Rifle Tournament, Tulsa, Oklahoma. Sponsored by Tulsa Rifle Club & Veterans of Foreign Wars Rifle Club. Write C. N. Wynkoop, 310 Thompson Building, Tulsa, Oklahoma.

June 1-2: Oklahoma .30 Caliber Matches and Civilian Team Tryouts, Wetumka. Sponsored by Oklahoma Rifle Association. Write R. A. McGoon, P. O. Box 1063, Enid.

C* June 8-9: Second Annual Magic Empire Rifle Tournament, Tulsa, Oklahoma. Sponsored by Tulsa Rifle Club & Veterans of Foreign Wars Rifle Club. Write C. N. Wynkoop, 310 Thompson Building, Tulsa, Oklahoma.

Oregon

C* May 5: Pendleton Small Bore Rifle Tournament, Pendleton, Oregon. Sponsored by Oregon State Rifle & Pistol Association. Write Bert Peterson, Box 742, Pendleton, Oregon.

C* May 12: Portland Rifle Club Small Bore Tournament, Portland, Oregon. Sponsored by Portland Rifle Club. Write Norman E. Riesch, 746 S. E. 45th Avenue, Portland, Oregon.

C May 25-26: Medford Small Bore Rifle Tournament, Medford, Oregon. Write Ivan C. Waddell, P. O. Box 1046, Medford, Oregon.

A* June 8-9: Pacific Northwest Regional Rifle Tournament, Clackamas, Oregon. Sponsored by Oregon State Pistol & Rifle Association. Write Leslie T. St. Clair, Gresham, Oregon.

Pennsylvania

May 12: Spring Small Bore Tournament, New Brighton, Pennsylvania. Sponsored by New Brighton Rifle Club. Write M. A. Leopold, 538 Maplewood Avenue, Ambridge, Pennsylvania.

May 19: Spring Outdoor Tournament, Washington, Pennsylvania. Sponsored by Firestone Rifle & Revolver Club. Write Walter B. Fowler, Box 158, Washington, Pennsylvania.

C May 19: Fourth Annual Lehigh Valley Spring Rifle Tournament, Allentown, Pennsyl-

vania. Sponsored by N. End Rod & Gun Club. Write Alfred M. Newhard, 111 East Susquehanna Street, Allentown, Pennsylvania.

May 26: Small Bore and All Caliber Pistol Shoot, Holmesburg. Sponsored by Holmesburg Fish & Game Protective Association. Write H. Russell Cornelius, 4608 Marple St., Holmesburg.

C May 30: Danville Gun Club Rifle Tournament, Danville. Sponsored by Danville Gun Club. Write Dr. R. Y. Grone, Danville.

May 30: Open Non-Registered Rifle Match, Harmony. Sponsored by The Zelienople Rifle Club. Write Martin W. Neuhausen, 337 East New Castle Street, Zelienople.

June 8: Annual Spring Small Bore Tournament, Vandergrift, Pa. Write George Rupp, Hancock Ave., Vandergrift, Pennsylvania.

C June 9: Holmesburg Fish & Game Ass'n. Spring Pistol Tournament, Holmesburg, Pa. Write Edward W. Bechner, 7800 Cottage St., Holmesburg, Pa.

C June 15-16: Walnut Creek Small Bore Tournament, Erie, Pennsylvania. Sponsored by Walnut Creek Rifle Club. Write Roy S. Bower, 420 East 23rd Street, Erie, Pennsylvania.

B July 20-21: Vandergrift Small Bore Rifle Tournament, Vandergrift. Sponsored by Vandergrift-Carnegie-Illinois Rifle Club. Write R. M. Walbeck, 245 Sherman Avenue, Vandergrift.

C June 23: Philadelphia Marksman's League Rifle Tournament, Philadelphia. Write Bruce Duddy, 229 East Brown Street, Norristown, Pennsylvania.

C June 30: Philadelphia Marksman's League Pistol Tournament, Holmesburg, Pa. Write Bruce Duddy, 229 East Brown Street, Norristown, Pennsylvania.

Tennessee

May 26: Small Bore Rifle Tournament, Knoxville. Sponsored by Vonotcu R. & P. Club and the Cherokee R. & P. Club. Write C. E. Burkhardt, Dante Road, R. D. No. 1, Knoxville.

Texas

C May 11-12: Southwestern Pistol Tournament, Dallas, Texas. Sponsored by Trinity Rifle Club. Write V. A. Moore, 208 North Akard Street, Dallas, Texas.

C* May 19: 3rd Annual Small Bore Rifle Tournament, Quanah, Texas. Sponsored by Greenbelt Gun Association. Write Charles Boyington, Quanah, Texas.

C May 25-26: 8th Annual North Texas Rifle & Pistol Tournament, Wichita Falls. Sponsored by Wichita Falls Gun Club. Write H. E. Barr, P. O. Box 1191, Wichita Falls, Texas.

C May 26: Laredo Spring Pistol Tournament, Laredo. Sponsored by Laredo Rifle & Pistol Club. Write E. A. Beckelmyer, Laredo.

June 9: 3rd Annual Gulf Coast Short Range Big Bore Rifle Tournament, Houston. Write C. F. Hanson, 807 Shell Bldg., Houston, Texas.

A* June 14-15-16: Southwestern Regional & Texas State Pistol Tournament, Texas. Sponsored by Texas State Rifle Association. Write John F. Callan, 405 East 30th Street, Austin. *Through error Arkansas and Louisiana were omitted from the Southwestern Region when programs were published. Competitors from these states may compete in the Southwestern Regional Pistol Aggregate.*

June 17 to 20: Chiefs of Police and City Marshalls Union of Texas Pistol Tournament, Austin, Texas. Write Captain B. B. Smith, Police Headquarters, Dallas, Texas.

June 20 to 23: Texas State Big Bore Rifle Matches, Fort McIntosh, Texas. Sponsored by Texas State Rifle Association. Write John F. Callan, 405 East 30th Street, Austin, Texas.

C July 13-14: Second Annual West Texas Pistol Tournament, El Paso, Texas. Sponsored by El Paso Pistol Club. Write Allen Weissinger, 917 Montana Street, El Paso, Texas.

Vermont

May 25-26: Large Bore Match, Northfield, Vermont. Sponsored by Vermont State Rifle & Pistol Association. Write P. H. Teachout, Underhill Center, Vermont.

B June 23: Vermont State Pistol Match, Northfield, Vermont. Sponsored by Vermont State Rifle & Pistol Association, Inc. Write P. H. Teachout, Underhill Center, Vermont.

B July 20-21: Outdoor Small Bore Match, Northfield, Vermont. Sponsored by Vermont State Rifle & Pistol Association, Inc. Write P. H. Teachout, Underhill Center, Vermont.

Virginia

C June 15-16: Sixth Annual Small Bore Rifle Tournament, Hampton. Write H. R. Turner, 133 Powhattan Parkway, Hampton.

Washington

A* July 12-14: Pacific Northwest Regional Pistol Tournament, Seattle, Washington. Sponsored by N. W. International Pistol & Revolver Association. Write Grace M. Carveth, 2348-42nd North, Seattle.

West Virginia

C* May 8: Mountain Trail Pistol Tournament, Richwood. Sponsored by Nichols County Pistol Club. Write John N. Marquis, 55 East Walnut Street, Richwood, West Virginia.

C July 13-14: Fort Boreman Annual Small Bore Rifle Tournament, Parkersburg. Sponsored by Fort Boreman Rifle Club. Write R. A. Simpson, 1407 Spring Street, Parkersburg.

Wisconsin

May 26: Annual Outdoor Rifle Match, Janesville, Wisconsin. Sponsored by Janesville Rifle and Pistol Club. Write Rolf C. Pierce, 1209 West State Street, Janesville, Wisconsin.

C* June 2: Milwaukee District Spring Small Bore Rifle Tournament, Racine County Line Range, Wisconsin. Sponsored by Wisconsin Rifle Association. Write Jerry Gruber, 3049 North Second Street, Milwaukee, Wisconsin.

June 9: Wisconsin Rifle Association Junior Small Bore Matches, Racine. Sponsored by Wisconsin Rifle Association. Write Jerry Gruber, 3049 North Second Street, Milwaukee.

June 16: 3rd Annual Small Bore Matches, Fond du Lac, Wisconsin. Sponsored by Fond du Lac Rifle & Pistol Club.

June 16: Fifth Annual Tri-State .30 Caliber Matches, La Crosse. Sponsored by American League Rifle Club Post No. 52. Write E. L. Schreiber, 919 Cass Street, La Crosse.

June 23: Milwaukee District High Power Matches, Camp Douglas, Wisconsin. Sponsored by Wisconsin Rifle Assn. Write Jerry Gruber, 3049 North Second Street, Milwaukee, Wisconsin.

B August 3-4: Wisconsin State Small Bore Rifle Tournament, Racine County Line Range, Wisconsin. Sponsored by Wisconsin Rifle Association. Write Jerry Gruber, 3049 North Second Street, Milwaukee, Wisconsin.

B* August 10-11: Wisconsin State Small Bore Registered Tournament, County Line Range, Wisconsin. Sponsored by Wisconsin State Rifle Association. Write Colonel J. J. Ring, 1842 North 83rd Street, Wauwatosa, Wisconsin.

Wyoming

A* July 18-22: Northwestern Regional Rifle & Pistol Tournament, Fort Francis E. Warren, Wyoming. Write Lt. W. J. Ledward, Fort Francis E. Warren, Wyoming.

A Denotes Regional Class A Registered Tournament.

B Denotes Class B Registered Tournament.

C Denotes Class C Registered Tournament.

***** Denotes competitors will be classified for awarding of medals.



HE COLTS

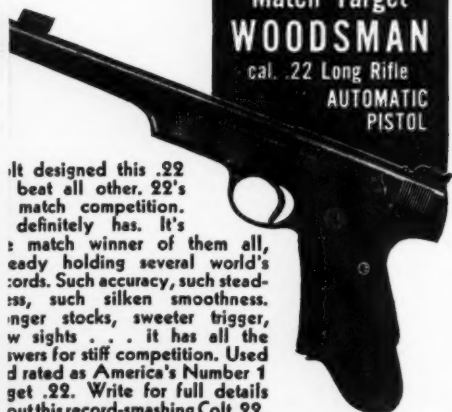
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cal. .22 Long Rifle
AUTOMATIC PISTOL



It designed this .22 beat all other. 22's match competition. definitely has. It's match winner of them all, easily holding several world's records. Such accuracy, such steadiness, such silken smoothness. Trigger stocks, sweeter trigger, sweeter sights . . . it has all the answers for stiff competition. Used and rated as America's Number 1 get .22. Write for full details out this record-smashing Colt .22.

"SPOTTING THE 1939 PISTOL SCORES"

You'll want this newest Colt booklet. It's the "Who's Who" of 1939 shooting. Free—write for your copy today.

NAME.....
ST. & NO.....
CITY..... STATE.....

Mail Coupon for FREE Booklet to

**COLT'S PATENT FIRE ARMS
MFG. CO. HARTFORD, CONNECTICUT**

STOLEN GUNS

Savage 23AA, .22 caliber, 4X Weaver scope, serial 136895; Winchester 12 gauge, 30 inch full choke, serial 706052. Notify Parks Bacon, 605 South Main Street, Eldorado Springs, Missouri.

Winchester 52 HB, serial 51745B, Marksman stock; 15X home-made scope sight (value \$100.00); pair silver fox furs; \$50 in currency. Stolen March 25 from the home of M. E. Johnston, 3838 College Avenue, Kansas City, Missouri.

OBITUARIES

PATRICK H. BALDWIN

Pat Baldwin's love of shooting, which took him from the relative obscurity of a Miami motorcycle patrolman's lot and made of him one of the best known of our pistol game's devotees, has left the range forever, with that same love of shooting in a sense responsible for his passing. Pat, only 34, died on the 29th of March, victim of a squad car crash which never would have happened had Pat not missed sleep, forgotten about rest and asked for no time off rather than slight either his night-time duties on the force or the matches of the Flamingo tournament at Miami, in which he had always competed during each meet since their inception. Fellow officers learned too that Baldwin, who in the past had tied one and broken one world pistol mark while representing his city force, had bought a building in Miami and had been working long daylight hours remodeling it into a home for his wife, three children and mother, and then going on duty each night. There was to have been a pistol range in the basement of Pat's new home, where he could have carried on his chosen sport in all of his few spare time hours.

Baldwin had been on the force since 1925, most of that time on motorcycle duty, and since its organization had been one of the most active of the police team members. Until recently he held the national record over the 50 yard slow-fire course, and his name always was featured on the make-up of any pistol team that his city sent into competition. As a gentleman, Pat's name was high in the shooting game, and no cloud of poor sportsmanship or ill humor ever had gone on his record. On one occasion, in a tournament of national importance, Pat, badly disabled by an injured foot, went through the whole schedule of matches, his foot propped up on a box so that he could manage to keep his place on the line. Pat asked no quarter to compensate for his injury, and despite the lack of balance his one-footed stance brought on, managed to turn in scores not too far below those he had been firing before his injury.

Survived by two brothers, both on the Miami force, three children, his wife and mother, Pat was buried in Tampa's Woodlawn Cemetery.

HENRY KEOTAH

Henry Keotah of Oklahoma City, a Kiowa Indian chief and one of the most colorful of Camp Perry's annual contingent of small bore shooters, died recently in the Oklahoma City General Hospital after an illness of two weeks. An employee of the city, Chief Keotah was but 48 years old. Climax of Keotah's small bore career came at Camp Perry in 1930, when he was selected as a member of the United States International Dewar Team, which that year topped the British riflemen by a ten point margin.

Survivors include two brothers, a sister, and his wife, Mrs. Josephine Keotah, well known to small bore shooters through the several times she accompanied her husband to the National Matches at Camp Perry.

1940 REGIONALS

(Continued from page 31)

NORTHWESTERN REGION

Rifle Tournament } Cheyenne, Wyoming,
Pistol Tournament } July 18 to 22.

Area—North Dakota, South Dakota, Wyoming, Colorado, Utah, Montana—that portion lying generally east of the line Havre-Livingston and including all of Blaine, Fergus, Wheatland, Sweet Grass Counties; Idaho—that portion lying generally south and east of Little Lost River and Lost River Mountains and the Big Cama Prairie including all of Clarke, Butte, Blaine, Camas, Gooding and Twin Falls Counties; Nebraska—that portion lying generally west of a north-south line drawn through Lincoln and including all of Cedar, Wayne, Stanton, Colfax, Butler, Seward, Saline and Jefferson Counties; Kansas—that portion lying generally north of the Smoky River and west of the line Norton-Hill City-Wakeeney and including all of Norton, Graham, Trego, Gove, Logan and Wallace Counties.

PACIFIC NORTHWESTERN REGION

Rifle Tournament—Portland, Oregon,
June 8-9

Pistol Tournament—Seattle, Washington,
July 12-14

Area—Oregon, Washington, Montana—that portion lying generally west of the line Havre-Livingston and including all of Hill, Chouteau, Judith Basin, Meagher, and Park Counties; Idaho—that portion lying generally north and west of Twin Falls, the Big Cama Prairie and the Lost River Mountains including all of Lemhi, Custer, Elmore, and Owyhee Counties; California—that portion north of Chico and including all of Plumas, Tehama, Trinity, and Humboldt Counties.

SOUTHWESTERN REGION

Pistol Tournament—Austin, Texas,
June 14-16

Area—Arkansas, Louisiana, Oklahoma, Texas, New Mexico, Kansas—except the northeastern area being generally east of the Big Blue and north of the Kansas Rivers, including all of Washington, Riley, Wabaunsee, Osage, Franklin and Miami Counties including all of Phillips, Rooks, Ellis, Rush, Ness, Lane, Scott, Wichita and Greeley Counties but, excepting the northwestern area lying generally north of the Smoky Hill River and west of the line Norton-Hill City-Wakeeney.

FAR WESTERN REGION

Rifle Tournament—Glendale, California,
June 22-23

Pistol Tournament—San Francisco, Calif.,
June 14-16

Area—Arizona, Nevada, California—lying generally south of Chico and including all of Sierra, Butte, Glenn and Mendocino Counties.

CHALLENGE

The Timberline Rifle Club of Climax, Colorado is open to challenges for small bore postal matches, indoor 50 foot, N. R. A. rules, ten shots in each of three positions, or five in each of four. Iron sights, any number to shoot, five high to count. Contact Julian W. Feiss, P. O. Box 54, Climax, Ohio.

A Regular Field Day for COLT Shooters

— Win EVERY Event at Florida Winter Matches



U.S. TREASURY
Winners of the Palmetto Pistol Club Trophy — 1158 over the Camp Perry center fire course. For good measure, they also took the Ray Dodge Center Fire trophy over the National Course with 1133 and the Flamingo .22 Four-Man Team Championship. Every man shoots the Colt Officers' Model. Left to right — Gunner Charles Hubbard, Team Coach, Maloch; Rogers; Anderson and Chapman.



DETROIT POLICE
They're still at it — this match winning team of Colt shooters. They won the Flamingo .45 Four-Man Team Championship — score 1104 and at Tampa the "City of Tampa" Trophy scoring 1126 over the National Match Course. Left to right — Reeves, Hemming, Sgt. Driver, Shapiro, Lalonde.



WALSH
Walter Walsh put his fingerprints on two shooting plums at Tampa. Won the National Mid-Winter Center Fire Championship and the National Mid-Winter Police Pistol Championship. In the latter he bettered 1939 figures 5 points. Walsh also took the Center Fire Slow Fire Match at 25 yards — shooting a 198. Walsh shoots Colts exclusively.



ALICE JEFFERSON
Winner of the Ladies National Mid-Winter Championship, Miss Jefferson, also won the Ladies Slow Fire at Tampa, her 195 being 6 points ahead of the 1939 score. Moreover, she took the Ladies Center Fire Match, scoring a 284 over the Police Course. She used an Officers' Model and a Match Target Woodsman.



MR. AND MRS. HOWARD
Helene Howard is the Flamingo Women's Champion for 1940 — her Slow Fire 193x200 heading the list.

Colt shooters bagged the limit at the National Mid-Winter and Flamingo Tournaments held respectively at Tampa and Coral Gables, Florida. They took EACH and EVERY match. One world's record was made and three were tied. In a large number of instances, last year's scores were bettered. Head shooter was Harry Reeves of Detroit. In the .22 field — the Colt Match Target Woodsman took EVERY individual .22 match in both tournaments. The Heavy Barrel Colt Officers' Model swept the center fire events, winning every event in its class at both meets. You can't doubt the supremacy of Colts — with such evidence as this.

REEVES Spread-Eagled Flamingo Tournament

Won Twelve Matches and Tied or Bettered 1939 Score in Eleven of them at Tampa and Coral Gables Shoots.

Boys shouldn't play with "matches." But Reeves did and how. He set fire to twelve matches, tying or bettering the 1939 figures in eleven of them. Shooting Colts in every match, he was the fair-haired lad of the Florida Tournaments. Here is his tally.

AT TAMPA:

Won .45 Slow Fire 184
Won .45 National Match Course 277
Won .45 National Mid-Winter Championship (up 24 points from 1939)
Won Colt's Trophy — the National Mid-Winter All-Around Championship

AT CORAL GABLES:

Won Center Fire Slow Fire 188
Won Flamingo Center Fire Championship
Won Barton Memorial Trophy 291
Won .45 Slow Fire 182
Won .45 National Match Course 286
Won Flamingo .45 Pistol Championship
Won Flamingo Slow Fire Pistol Championship
Won Flamingo All-Around Pistol Championship



KIRK

His Match Target Woodsman helped Ralph Kirk to annex the .22 Timed Fire at Tampa. He shot a fine 199. Kirk, along with Standau, Stewart and Bailey — all of Tampa Police — won the .22 Team Trophy.



ECHOLS

Bettering the 1939 score by 3 points, Lee Echols, Treasury Team shooter, won the .45 Rapid Fire with a 191. He also took the Center Fire Timed Fire with a 198. Both scored at Tampa with Colts.



WOODY

As is usually the case, in .22 Timed Fire, scores were air tight. At Tampa, J. N. Woody took the .22 Rapid Fire, his 198 being 2 points up over the 1939 figures. At Coral Gables his 199 was tops — Colts all the way.



WILSON

M. O. Wilson won the Center Fire National Match Course Match at Coral Gables with his Officers' Model. His 283 did it.



BENNER

H. L. Benner from Ft. Benning — his 292 took the .22 National Match Course Match at Coral Gables.



ANDERSON

Arvid Anderson of the Treasury Team won the .22 National Match Course event at Tampa with a 293 — with a Match Target Woodsman.



GARR

Shooting a Colt, Mack Garr of San Francisco, scored a 184 to win the Center Fire Slow Fire at Tampa.



HILDETON

Sergeant H. O. Hildeton, 34th Infantry, Ft. Meade, shot 196 to win the .45 Timed Fire at Tampa.



LALONDE — SHAPIRO

Lalonde and Shapiro of Detroit Police duplicated their last year's World's Record, shooting other 583 over the .22 National Match Course at Coral Gables. Lalonde's share was a brilliant 294. At Coral Gables Lalonde won the Center Fire National Match Course event with a 2. At Tampa he was runner-up in the National Mid-Winter Police Championship. Shapiro pushed up the 1939 score 6 points in the Slow Fire at Coral Gables shooting a 192 in the Match Target Woodsman.



PERNA AND BARRIER

The .45 Doubles at Tampa were really hot. First five pairs bettered the national record. Sgt. V. Perna and Sgt. T. E. Barrier, both Pensacola, scored a smashing world's record 552 — lifting the former record of 541 by points (later broken again at Coral Gables). Barrier was high man in the Center Fire Match over the Police Course at Tampa. Won it with a 295 and a Colt Officers' Model. Ben Mitchell, Billing and Pope, comprising a U. M. C. Team, won the Firestone Team Match at Tampa.



CHAPMAN AND ROGERS

These two sharpshooting lads from the United States Treasury Team won the Everglades Double at Coral Gables going over the Police Course 593, bettering their own 1939 score by 8 points. Both shot Officers' Models. Chapman got two individual wins: Center Fire Timed Fire at Coral Gables and Center Fire Rapid Fire at Tampa — here tying his 194 of last year.



HEMMING AND REEVES

Here were the doubles aces of the Florida Matches. At Coral Gables they won the Flamingo Center Fire Doubles with a 574, and 45 Doubles over the National Match Course with a new World's Record of 567. At Tampa they took the .22 National Match Doubles, pushing the 1939 scores up 5 points in Center Fire Doubles scoring 564 over the national Course.

Alfred Hemming also won the .45 Rapid in the Flamingo Tournament. At Tampa he tied the .22 Camp Perry Course Match and placed second in the Center Fire Slow Fire, his being outbraked by Walsh. Both Hemming and Reeves shoot Colts — in all calibers.

SCHWEITZER Reigns Supreme Wins All 3 National with WINCHESTER

**Wins 3 Other Firsts With EZXS and M52
Class of Grilling 10-Match U. S. Service**



WM. P. SCHWEITZER

WHEN Wm. P. Schweitzer, of Hillside, N. J., gathered his trophies and medals at the close of the big National Midwinter Small-Bore Rifle Tournament, at St. Petersburg, Fla., on March 1, he had the rewards of one of the greatest one-man cleanups ever accomplished in national shoulder-to-shoulder small-bore rifle competition. He had—

Made a clean sweep of the Firsts in all three Aggregates.

Won three other Firsts, firing at 50 yds., 50 meters, 100 yds.

Won three Seconds, firing at 50 yds., 50 meters, 100 yds.

Shot the highest score for his team in each of three team matches, and made the highest individual score in the Yankee-Rebel 10-Man Team Match.

All, of course, in the Master Class, in which shooters are officially rated 98.5 or better.

If any proof was required that Mr. Schweitzer had definitely established himself in the top flight of the world's premier marksmen in small-bore rifle target shooting under difficult conditions, he provided plenty in this tournament. The weather was most unfavorable, the wind so strong at times as to require two feet of correction at 200 yards. But the wind dopper that he is, Schweitzer was right in his element. This is well shown in his score in winning the 10-match U. S. Service Trophy Aggregate, with a new record score, 36 points ahead of the runner-up.

Mr. Schweitzer's choice of ammunition, in every match, was Winchester EZXS. The ammunition with which he last summer shot the highest individual score made in the Pershing Trophy Team Match, in England, for the victorious American team. The ammunition with which he won the 1939 National Midwinter Individual Championship and the other Firsts, at St. Petersburg. In most of the matches this year he used his Winchester Model 52 rifle with Johnson barrel.

Foremost among other shooters who used Winchester EZXS in this tournament with conspicuous success were Frank C. Hoppe, of Philadelphia, Pa., and Marion L. Eastep, of Turtle Creek, Pa., respectively Second and Third in the Master class, U. S. Service Trophy Aggregate, taking in 10 individual matches. Their rifles, Winchester Model 52 Bull Guns. Still other outstanding shooters using EZXS were Lieut. Maurice E. Kaiser, U. S. A., Fort Benning, Ga., Victor O. Wehle, St. Petersburg, Fla., Alvin A. Ferber, Lakewood, N. J., J. F. Mon, Pittsburgh, Pa., Mr. and Mrs. Vernon Wood, Zanesville, Ohio, Karl Dunn, Chicago, Edward M. Kell, Deerfield, Kans., Dr. Charles Mason, New York, Ray K. Strizinger, Scarsdale, N. Y., Francis J. O'Hare, Maplewood, N. J., H. L. Eager and R. S. Tichenor, Fort Lauderdale, Fla. Although a comparative newcomer in national competition, Mrs. Vernon Wood made an excellent showing, being high woman scorer in the Restricted Class Dewar, taking sixth place, with 387-11Xs.

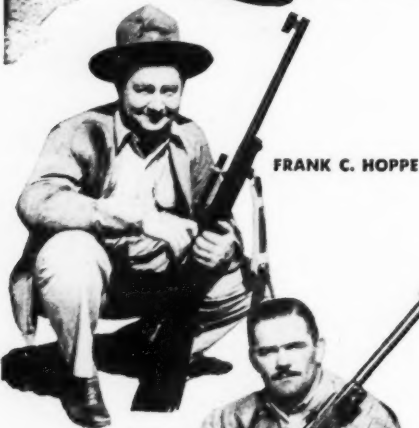
High-class competition was abundant, there being above 70 entries in some matches. The relatively low scores reflect the bad weather, although Schweitzer, in winning the Midwinter Championship, shot two points above his winning 1939 score.

U. S. SERVICE TROPHY MATCH— AGGREGATE OF 10 MATCHES—MASTER CLASS

- | | | | |
|---------------------|------|------|-----------|
| 1. W. P. Schweitzer | 3974 | EZXS | M52 John. |
| 2. F. C. Hoppe | 3938 | EZXS | M52 Bull |
| 3. M. L. Eastep | 3937 | EZXS | M52 Bull |

SOUTHEASTERN SMALL-BORE CHAMPIONSHIP— AGGREGATE

- | | | | |
|---------------------|-----|------|-----------|
| 1. W. P. Schweitzer | 980 | EZXS | M52 John. |
|---------------------|-----|------|-----------|



FRANK C. HOPPE



MARION L. EASTEP

NATIONAL MIDWINTER SMALL-BORE CHAMPIONSHIP—AGGREGATE

- | | | | |
|---------------------|------|------|-----|
| 1. W. P. Schweitzer | 1961 | EZXS | M52 |
|---------------------|------|------|-----|

THE SUNSHINE TROPHY MATCH— 50 AND 100 YARDS ANY SIGHTS

- | | | | |
|---------------------|---------|------|-----|
| 2. W. P. Schweitzer | 398-20X | EZXS | M52 |
|---------------------|---------|------|-----|

INDIVIDUAL DEWAR MATCH— 50 AND 100 YARDS METALLIC SIGHTS

- | | | | |
|---------------------|---------|------|-----|
| 1. J. C. Buchanan | 400-27X | M52 | |
| 2. W. P. Schweitzer | 399-33X | EZXS | M52 |

50-METER TWO-MAN TEAM MATCH— METALLIC SIGHTS

- | | | |
|---------------------|-----|------|
| 1. E. P. Menzen | 200 | M52 |
| M. L. Eastep | 200 | M52 |
| 2. W. P. Schweitzer | 200 | EZXS |
| J. R. Wark | 198 | M52 |
| 3. F. C. Hoppe | 200 | EZXS |
| Thurman Randle | 196 | M52 |

INDIVIDUAL SHORT RANGE ANY SIGHTS MATCH—50 AND 100 YARDS

- | | | | |
|----------------------|--------|------|-----|
| 1. W. P. Schweitzer | 400.25 | EZXS | M52 |
| 2. Clarence Tetzlaff | 397.20 | M52 | |
| 3. J. W. Hession | 397.18 | EZXS | |
| 4. C. T. Dunn | 397.17 | M52 | |
| 5. V. O. Wehle | 396.21 | EZXS | |

Mid-Winter Aggregates WINCHESTER EZXS

and Mann ... Hoppe Wins Second, Eastep Third, in Master Service Aggregate—Both Shooting EZXS and M52 Bull Guns



VICTOR O. WEHLE



KENNETH HANKINS



FRANCIS J. O'HARE



JOHN BUCHANAN



J. S. MON



ALVIN A. FERBER (left) and F. J. PAUCH



LT. MAURICE E. KAISER



MRS. VERNON WOOD

INDIVIDUAL 100-YARD MATCH—METALLIC SIGHTS

J. F. Mon	396x22	EZXS	M52
A. A. Ferber	395x12	EZXS	
W. P. Schweitzer	394x16 1/4	EZXS	M52 John.

INDIVIDUAL 50-METER MATCH—METALLIC SIGHTS

W. P. Schweitzer	399	EZXS	M52 John.
Kenneth O. Hankins	394	EZXS	M52 John.

LONG RANGE TWO-MAN TEAM MATCH—200 YARDS ANY SIGHTS

Frederick J. Pauch	185	M52	
A. A. Ferber	177	EZXS	M52 John.
V. O. Wehle	182	EZXS	M52
G. W. Lewallen	178		
M. L. Eastep	186	EZXS	M52 Bull
E. P. Menzen	172		M52

SWISS MATCH—200 YARDS ANY SIGHTS

V. O. Wehle	6 bulls	EZXS	M52 John.
Li. M. E. Kaiser	5 bulls	EZXS	Pope-Ball.

SHORT RANGE TWO-MAN TEAM MATCH—50 AND 100 YARDS ANY SIGHTS

M. L. Eastep	397-21X	EZXS	M52 Bull
E. P. Menzen	396-24X	M52	
Chas. Mason	397-12X	EZXS	M52
Douglas Brown	396-21X		
Kenneth Hankins	398-18X		M52 John.
F. J. O'Hare	394-17X	EZXS	M52

INDIVIDUAL LONG RANGE MATCH—200 YARDS METALLIC SIGHTS

Vernon E. Gregory	191-4X	M52	
-------------------	--------	-----	--

FLASH! The high-scoring Papco Rifle Club combination of Paterson, N. J., added another big coup to their collection in winning the Middle Atlantic Championship Team Match at Maplewood, March 16-17, with a remarkable score of 1128-19 points above their nearest rivals. C. D. Vander Bush, Jr., led the team and was high man in the match with a brilliant 286, including a 94 in the Offhand. The entire team shot Winchester Leader cartridges in Winchester Model 52 rifles.

BOND AND RINCK AT COLUMBUS

Standout wins in the 15th Annual Mid-West Small-Bore Rifle Tournament of the Ohio Rifle & Pistol Association, in Columbus, were Sam Bond's First in the Yewes Trophy Match with a score of 144 consecutive bulls, and E. E. Rinck's First in the Offhand Match with 188x200. Both used Winchester ammunition and Model 52.



Winchester Model 52 Bull Gun with Marksman stock, Vaver No. 35 Miel extension receiver sight and Vaver W11AT front sight.



SEND COUPON TODAY

Winchester Repeating Arms Co., Dept. 2-R
Division of Western Cartridge Co.
New Haven, Conn.

Send me FREE your folders on Winchester Model 52 and Model 75 Target Rifles and the Winchester Ammunition Book containing 44 pages.

Name

Address

1939 Ranking Averages

17 OF TOP 20 USE BAUSCH & LOMB SCOPES

		RIFLE		Average	Sub-normal Scores	"400" Possibles
	No. of Tour'n	No. of Shots				
	6	1680	99.6548	3	13	
	3	1040	99.5096	0	6	
	1	560	99.5	0	3	
✓ 1. W. B. Woodring	3	1000	99.48	2	2	
✓ 2. W. P. Schweitzer *	6	920	99.4783	3	7	10
✓ 3. James E. Lacy	3	1780	99.4775	3	7	
✓ 4. Ferdinand Schimmel	3	1200	99.4583	3	3	0
✓ 5. R. D. Triggs	8	600	99.45	4	1	1
✓ 6. L. A. Wilkens	5	480	99.4375	3	3	3
✓ 7. Chas. Whipple	3	680	99.4265	8	2	16
✓ 8. Adelaide McCord	3	3620	99.4199	4	4	4
✓ 9. Fred O. Eakins	2	660	99.4091	4	2	7
✓ 10. Vere Hamer	18	1120	99.3571	1	1	0
✓ 11. E. N. Moor, Jr.	2	1460	99.3493	3	2	5
✓ 12. Guy Drewry, Jr.	4	900	99.3444	2	4	4
✓ 13. Kenneth Recker	6	650	99.3385	3	3	4
✓ 14. Milton Klotz	3	2090	99.3254	6	3	3
✓ 15. Geo. E. Frost	2	880	99.3182	1	1	3
✓ 16. Wm. Patch	3	760	99.3158	3	3	
✓ 17. Fred O. Kuhn	5	900	99.3111			
✓ 18. Tom Dunlap	2					
✓ 19. Fred Spencer	6					
✓ 20. John Wark						

PISTOL

PISTOL

- * Used Unrel Scope
- † Used Zeiss Scope
- ‡ Used Fuchs Scope

Stand behind the firing-line at Perry, at Ritchie, at St. Petersburg, and count the number of shooters who use Bausch & Lomb Spotting Scopes. The fact that more than 85% of top-ranking shooters depend on Bausch & Lomb Scopes is testimony to the fact that these instruments are unsurpassed in uniform optical precision and performance under fire.

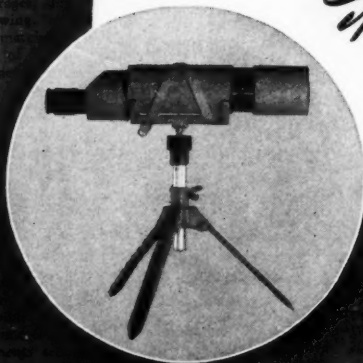
Write for descriptive folder on Bausch & Lomb Scopes, \$30 to \$297.50. Bausch & Lomb, 103 Lomb Park, Rochester, N. Y.

Below, N.R.A. 50 mm Bausch & Lomb Scope, \$55. Tripod and additional eyepieces extra.

BAUSCH & LOMB

*Spotting
Scopes*

THE CHOICE OF
CHAMPIONS...



NRA CLASSIFICATION

(Continued from page 32)

establishing classes for shooters in the 1940 bulletins. These were:

Class	Rifle	Pistol
	10 shot Average	
Master	98.5 and over	91.0 and over
Expert	97.5 to 98.5	88.0 to 91.0
Sharpshooter	95.5 to 97.5	83.0 to 88.0
Marksman	92.5 to 95.5	75.0 to 83.0
Tyro	Below 92.5	Below 75.0

Establishing Classes

Classes in Regional Tournaments will be based on the five classes in the above table, but in Class B and C tournaments the classes may be combined into groups for the purpose of awarding prizes.

How To Be Classified for 1941

As an increasing number of tournaments make use of the N. R. A. Classification System it becomes increasingly important to every rifle and pistol shooter to know that his name will appear in the next Classification Bulletin. Therefore, the following regulations for 1941 Classification are published in advance of the outdoor season for the information of everyone. Fulfill these requirements and your name will appear in the 1940 N. R. A. Classification Book.

Registered Events

Certain courses of fire have become standard over the entire country because of their popularity with tournament shooters. When fired in N. R. A. Registered Tournaments these have become known as "Registered Events". The N. R. A. Classification is based on the average 10 shot score made in these Registered Events (less certain sub-normal scores) when fired in either team or individual matches, indoors or outdoors, on N. R. A. Official Standard American Targets for the correct distance.

A Registered Event in a small bore tournament is any prone match at 50 yards, 50 meters or 100 yards or combination thereof.

A Registered Event in a pistol or revolver tournament is any .22 caliber or center fire (except .45 caliber) match fired slow-fire at 50 yards or timed or rapid-fire at 25 yards or combination thereof. This does not include scores in Camp Perry Course matches.

Rounds Required for Classification

All 1940 Registered Event scores will be used for Classification.

Two hundred and forty shots net in Registered Events during 1940 will be required for Permanent Classification for 1941. Provisional Classification will be given riflemen who fire 120 shots net and to pistol shooters who are credited with a net of 90 shots.

Sub-Normal Scores

Because breakage of equipment, bad weather conditions and similar occurrences may be the cause of a score far below normal such scores will be deducted before a competitor's average for classification is figured. These "sub-normal scores" are based on the following table:

Class	Rifle	Pistol
Master	Below 98.0	88.0
Expert	Below 96.0	83.0
Sharpshooter	Below 93.0	75.0
Marksman	Below 89.0	75.0
Tyro	Below 89.0	75.0

Gallery Classification

Up to the present all classification has been for outdoor competition but by the time the 1940-1941 Gallery season opens an additional list will be published for the benefit of the indoor competitor and tournament sponsor.

DOPE BAG

☆ ☆ ☆ Conducted by F. C. NESS

M1 (GARAND SEMI-AUTOMATIC) RIFLE

At long last we have caught up with a working sample of this generously publicized product* of our War Department, officially adopted way back in 1936 as our new Service rifle. About 25,000** had been made by January 1940¹ and present production is said to be 4,000 per month. On the basis of 250 working days per year that is still considerably short of the daily-production goal. Simple arithmetic tells us that to arm a million men in an emergency we would have to make 4,000 rifles per day, instead of per month, and even then after a year's production at this greatly accelerated rate we would have no surplus.

The M1 is a fine combat rifle with certain shortcomings outside the serious and admitted low rate of productability as revealed by its record. The development of the Garand rifle has progressed slowly since the first Aberdeen competitive test of it was instituted back in 1929.² The conception of such a semi-automatic Service rifle dates back another decade at least, well-formulated lists of the requirements for such an arm having been published by the Ordnance Department in 1921³ prior to the competitive tests of semi-automatic rifles scheduled for September 15, 1921. It is interesting to note that the M1 semi-automatic rifle does not conform with those earlier requirements, nor, indeed, with those of 1929. Some of these requirements, considerably modified, were reviewed by Major Drewry in the requested official story of the M1 Garand which we published in THE AMERICAN RIFLEMAN of August, 1938.

Development of the Garand rifle continues. The most important change recently instituted was elimination of the muzzle coupling containing the gas port. This pierced section will be an integral part of the barrel in future M1 rifles including the 65,000 now being made under contract by the Winchester Repeating Arms Co. Since none of these is as yet available, the one we tested, of course, had the muzzle coupling as a separate part. This part bears the front sight as well as the bayonet lugs. Having no bayonet we could not test that feature, or its effect on the zero of the rifle. However, we noticed some play in the front sight base which we hope will be corrected.

Being a gas-operated rifle, a port is necessary somewhere in the barrel for utilizing combustion gases. In the M1 this is at the muzzle, the port leading into a gas cylinder or tube under the muzzle where the high-velocity gas impinges smartly on the piston end of a long operating rod. This rod is offset from a straight course until its cam contacts the operating lug on the bolt and pushes it upward so that the locking lugs are rotated counter-clockwise to unlock the action, after the bullet has cleared the muzzle. This delay in unlocking, or initial free travel of the operating rod, is accomplished by a straight recess, over 1/4-inch long, to clear the operating lug before the cam contact is made. The rather smart smack of this sudden cam contact, mitigated somewhat by the compression of the recoil spring around the operating rod,

tends to burr the camming surfaces after some little use. Also, unfortunately, the gas cylinder and long operating rod increase the vulnerability of the arm to war-time abuses.

The two locking lugs on the end of the bolt are remindful of those of the Military Model-1905, Ross, straight-pull rifle,⁴ which encountered considerable operating trouble in the trenches of World War No. 1. Unless the M1 lugs are kept lubricated they are sometimes hard to start when the action is manually opened. We had to kick it open on one occasion. However, so far⁵ it has never failed to open automatically, although this sample M1 is fairly dry as far as lubrication is concerned. The lugs and the short extractor in its slot in the head of the bolt are visible from above and exposed to water, mud-spray, sand and dust and other debris which may be thrown over them by rain or wind or exploding shells, bombs and grenades. The balance of the action is incompletely covered when closed. The exposed vulnerable parts at least should be protected, by some adequate cover or redesign of the receiver.

The barrel and operating rod are almost completely covered by wood. Below the lower band the hand guard around the barrel is open on the bottom exposing the gas cylinder. The piston practically clears the end of this cylinder on its rearward stroke allowing gas to escape outside, which gas blows forward covering this part of the rifle with carbon soot. Red hot particles of carbon blow back, presumably along the operating rod and upwards through the action, and so into the shooter's face when the bolt comes back. We could see these sparks when shooting from the darkened interior of our shooting house and occasionally felt them sting our chins, cheeks and foreheads.

M1 Needs Cooling

All the wood around the comparatively thin barrel of the M1 rifle makes it a poorly ventilated rifle for rapid-fire shooting. It can be fired nearly three times as fast as the M-1903 or M-1917 rifles which, paradoxically, are as well equipped for heat control. The Springfield can be fired 15 shots per minute, but when a bandolier (60 rounds) of M1 ammunition (172-grain bullet) is fired in 4 minutes, even on a bitterly cold day, the oil boils out of the hand guards and the wood becomes too hot to hold with bare hands. When we fired the M1 very slowly, loading each cartridge into the chamber by hand, the oil started to bubble out of the wood in tiny specks after 40 shots to 60 shots fired in 25 to 35 minutes. This accumulative heating effect indicates the wooden covering of the M1 rifle tends to hold in the heat generated by firing. The M1 muzzle was to our micrometer .07 inch thinner than that of the 83 1/2-pound M-1903 although the M1 rifle weighed, without sling or bayonet, 9 1/4 pounds on the same scales. Since a rate of fire of 40 shots per minute is claimed for the Garand, 160 shots could be fired in that same 4-minute period mentioned above, and some cooling device would be indicated as essential for the M1 rifle. Reasoning reminds us that a thin barrel heats quickly and that an insulated barrel cools slowly.

Last Fall we handled the thermometer during a demonstration of Artist Mole's Barrel-Cooling Device on the M-1903 rifle at Camp Simms. Basically, this was a ventilating hole through the barrel, at the bullet-seat, with a

fluted tension plug so controlled that as the bullet left the barrel a draft of cooling air followed it through the bore. On a 4-minute shooting test there was a registered temperature of 140 degrees at the muzzle of that rifle, while the one without benefit of Mole's device stuck the indicator at the limit of the dial which was 212 degrees. Such a barrel-cooling device might not be practicable for the Garand rifle which, however, should be better ventilated than its present wooden cover allows, or given a heavier barrel.

The M1 Garand breaks down beautifully into three major groups. Pull out the trigger-guard and hammer-group assembly, bump loose the stock assembly and the barrel-receiver-and-action assembly is left. About all this does is expose the operating rod and the hammer group for casual cleaning. The barrel cannot be removed from the receiver, these two parts being inseparable and representing about a third of the entire cost. It should be kept in mind that a barrel will wear out at least twice as fast on a semi-automatic as on a bolt-action rifle. The barrel cannot be cleaned from the breech; nor with water without endangering the gas cylinder and action. The carbon, however, can be mechanically cleaned out of the front parts when clogged, after removing the gas-cylinder plug.

Sights Fine For Aiming

The sights on the M1 at normal adjustment are better for aiming than those of the M-1903 rifle. In fact, they are as good as those of the M-1917 in this respect, and the rear sight is more conveniently and completely adjustable, that on the M-1917 having no windage adjustment, but the M-1917 has a longer sighting radius. The barrel of the M-1917 rifle is 26 inches long; that of the M1 being just under 22 1/4 inches with a sighting radius of about 27 1/2 inches. Like the M-1917 receiver sight, that of the M1 is on top of the receiver, near the eye, and it has a large aperture. The loose and mechanically poor rear sight of the M1 is micrometer controlled in minute-of-angle clicks for both elevation (on the left side) and windage (on the right). At elevations above 600 yards the aperture tilts backwards toward the eye until it is presented at an angle which destroys the symmetry of the aperture and handicaps aiming. The adjustment has a screw-driver lock which failed to hold for us under the recoil of rapid-fire at 200 yards. At 600 yards it failed to maintain its elevation, giving vertical groups. We started at 600 yards with a normal 13-click addition to the 200-yard elevation and finished with 24 clicks, which is 200% of the normal requirement. Although the ratchet may have slipped as much as a cog we are forced to believe the M1 barrel changed its zero six feet in shooting 130 rounds.

M1 Clip Easily Loaded

The M1 is easily loaded with its special U-shaped, pressed-steel clip of 8 rounds. The bolt stays open, held by a notch in the right side of the receiver, when the clip is pressed, straight down through the top of the receiver opening, to the bottom of its seat. I have seen this done in three seconds, but this loading time can be beaten by the Springfield's 5-shot clip. For me the two rifles are made equal in loading time only when I use two thumbs on the M1 clip. An automatic shift in the clip bearing makes it immaterial whether the cartridges are started on the right or left side of the clip. We had but one clip and reloaded this for our magazine fire. This

* The M1 rifle was most prominently advertised in Colliers Weekly and Life magazines among others. It was also put on display at sport shows, etc.

** On February 16 there were 28,088 Garand rifles on hand and 141,201 on order, according to Gen. Marshall as quoted in the Washington Post of April 7, 1940.

¹ Congressional Record, January 1940.

² Army Ordnance, May-June 1929.

³ Army Ordnance, March-April 1921.

⁴ Both locking lugs of the M-1905 Ross are bevelled and consequently they operate more smoothly and easily.

⁵ After less than 400 rounds total firing which included less than 100 clip-loaded rounds.

was easily and quickly done. A partially filled clip could be loaded into the rifle, or the clip could be partially expended of its rounds and reloaded while it remained in the rifle, but this is not recommended because it cannot be done without some little difficulty. It is practicable rather than practical.

Because we had only one clip, most of our shooting was done a la single-shot. That is, we put each round directly into the chamber with our fingers and slammed the bolt home upon it. The rate of carefully aimed fire by this method was 10 shots in three to five minutes. Twice the bolt failed to close completely and, since it will not fire while the lugs are incompletely locked, two misfires resulted, which of course was no fault of the rifle. However, the one-finger hook which serves as the bolt handle did not provide sufficient purchase for the grasp to clear one of these two rounds, and this inadequate handle had to be kicked smartly (we stamped on it) to start the lugs from their seats. This, of course, can be directly charged to the design and it may be accounted for by insufficient lubrication on the lugs.

The extractor never failed to work in shooting nearly 400 rounds. This shooting included 84 rounds of commercial ammunition, 49 handloads, 236 rounds of heavy or M1 type of loads and 87 rounds of light or M2 type of ammunition. The action failed to open completely only twice, resulting in a failure to eject each time. Both failures were easily cleared. One of these failures was with our lightest handload (about 28,000 pounds pressure) and the other with our heaviest handload in a heated chamber (pressure probably above 60,000 pounds). We had no further failures with handloads and none of the kind with factory-made ammunition. One of our handloads had a 93-grain Luger pistol bullet at about 3400 f.-s. This load ejected without fail and its bullets consistently hit a 4-inch circle at 100 yards. In the short M1 barrel this load (59.0 grains of I.M.R. No. 1147) gave a terrific muzzle blast, varying from red to yellow.

After firing 394 rounds, only 96 of which were fired from the magazine, the 395th and 396th rounds failed to feed from the clip. These were easily cleared, and the next two fed and fired and ejected. At that time the bore had been cleaned twice, but no other part had been wiped or cleaned or oiled or greased. The action now seemed to be more sluggish than formerly and, according to the manual of operation, the rifle was due for some decarbonizing treatment. This can be done in a few minutes by removing a screw and the gas-cylinder cover at the muzzle and then scraping the accumulation free with the screw driver. We removed only loose carbon.

This M1 rifle had a fine trigger pull, and balance. From the standing position it seemed equal to the M-1903 and 1917 rifles. Its accuracy was slightly better at 100 yards, its four 10-shot groups averaging 3.50 inches against 4.72 inches for three groups with the M-1917 rifle and 4.21 inches for two groups with the M-1903 rifle as issued. With the different handloads at 100 yards the five groups averaged 5.00 inches in the M1 rifle. With M1 ammunition, the lone 8-shot group from the magazine measured 4.15 inches and the three 5-shot groups ran, 4.25, 1.90 and 1.87 inches at 100 yards. No M2 ammunition was fired at 100 yards in our test.

At 200 yards the M1 rifle averaged 9.10 inches with 79 shots of M1 type loads. The best 10-shot group was with F.A. 1931 ammunition, which made 6.25 inches and also one group of 7.80 inches. The next best was 8.26 inches made with R.A. 172-grain Tapered Heel Kleanbore. The poorest 10-shot groups were with R.A. 180-grain, 13.27 inches; F.A. 1939 National Match, 10.84 inches and F.A. 1931, 9.58 inches. Only 5 shots were fired

with M2 150-grain Service loads, and these made a group of 6.24 inches at 200 yards.

M1 Recoil Seems Mild

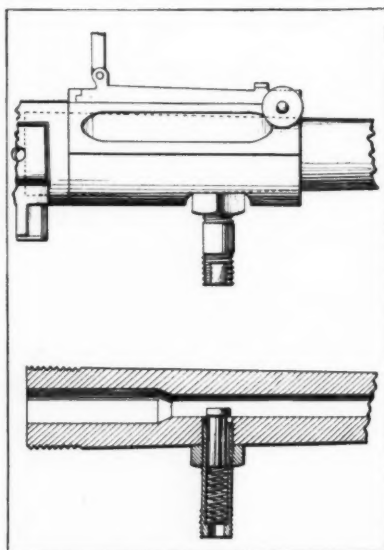
The recoil of the M1 rifle with M1 loads was not severe. It seemed softer than that of the M-1903 rifle with the same ammunition. It was found that the recoil did not disturb the aim unduly so that it was easy to get back on the target for the next shot. We fired six 8-shot groups rapid fire on the small-bore Decimal target (4-inch 10-ring) at 200 yards using an arbitrary zero without change for two shooters and three different loads. These loads were old 150-grain Remington, old 1922 National Match and 1932 National Match. Our time per 8-shot string ran: 18, 19, 17½, 17, 16 and 15 seconds. Our groups were: 14.94, 12.07, 10.31, 9.10, 13.88 and 8.44 inches, for an average of 11.46 inches.

Although our zero was too high the direct scores on the Decimal target ran: 60, 64, 68, 64, 66 and 76 X 80 for a total of 396 X 480, which would have been 219 X 240 on the "A" target, or very good on the rapid-fire "D" target. Later we tried one string of 8 shots (F.A. 1937) rapid fire on the "B" target at 600 yards and got a 27-inch group which was too low in impact to score well. We also fired 8 rounds of very old W.R.A. 220-grain Soft-Point ammunition into the ground very fast from the hip. All the above rapid-fire (56 rounds) functioned perfectly without any hitch whatsoever in the M1 rifle. In addition we fired a total of 40 rounds slow fire through the magazine of this same M1 rifle, and had the two failures to feed already mentioned.

Slow Fire At 600 Yards

At 600 yards, on a bright, cool, windy afternoon (2-minute to 4-minute wind) the writer fired, for comparison purposes, two 9-shot groups with the same M-1903 rifle which was used at 100 yards. With F.A. 1933 M1 ammunition the group measured 27.13 inches with 7 in 21.75 inches and an extreme vertical of 23.13 inches. With F.A. 1939 M2 ammunition the group measured 21.00 inches with 7 in 17.00 inches and an extreme vertical of 20.50 inches. The M-1903 sight base is 5 inches shorter than that of the M1 and its poorer aperture is 3½ inches farther from the eye.

Mole's Barrel-Cooling Device



In direct comparison the M1 rifle made 10-shot groups of 27.25 and 28.75 inches with the M1 (F.A. 1933) load and extreme verticals of 26.88 and 27.25 inches. The first group had 9 in 22.00 inches and the other, 7 shots in 21.00 inches. The M2 load in the M1 rifle made a 10-shot group of 26.63 inches with 7 in 16.50 inches and an extreme vertical of 19.75 inches. The other group (9-shots) with M2 ammunition was greatly enlarged by a sudden change in the wind from the right side of the 4 ring to the left side of the bull. This group had an extreme vertical of only 19.00 inches, but a total spread of 37 inches. The mean spread was 29.91 inches for the M1 against 24.07 for the M-1903.

The grand average for all eleven groups, fired with the M1 rifle at 600 yards, was 28.29 inches with 73% of all shots in an average spread of 17.36 inches. The mean of the extreme horizontals was 21.47 inches and of the extreme verticals, 22.71 inches. The smallest group was 18.00 inches which scored direct 47 X 50. The complete results follow:

600-YARDS (SLOW-FIRE)

Load	Type	Group	Ex. H	Ex. V
F.A. 1931	M1	27.38	26.63	11.00
"	"	34.75	20.50	34.75
N.M. 1932	"	28.38	16.13	29.00
"	"	35.75	31.50	25.50
R.A. 172	"	23.00	18.50	19.00
"	"	18.00	10.00	17.00
W.R.A. 180	S.P.	22.25	22.00	7.00
N.M. 1939	M1	22.25	19.25	20.63
F.A. 1939	M2	37.00	36.00	19.00
"	"	26.63	23.75	19.75
"	1933	27.25	18.63	26.88
"	"	28.75	15.25	27.25

* This one scored direct 47 X 50 with seven bulls and four V's.

** Only 7 shots and not included in averages.

*** This group was enlarged by a sudden change in the wind condition in the middle of the string.

(1), (2), (3) and (4) are 9-shot groups.

Obviously, the milder M2 ammunition functions better in any semi-automatic rifle and gives lighter recoil in any rifles as compared with M1 ammunition. In the M1 rifle the M2 ammunition also is less damaging to the mechanism, particularly as regards burring of the smartly engaged cams, and it will not, of course, heat the thin and wood-insulated M1 barrel as quickly as will M1 ammunition. There is no real saving in weight between the two loads because the heavy steel clip essential to the M1 rifle more than offsets the weight saved by the lighter bullet.*

The adoption of the new M2 Service cartridge with its 150-grain bullet at 2660 f.-s. puts our new M1 Service rifle on a power parity with the little .300 Savage lever-action deer rifle which uses the same bullet at the same m.v. but in a shorter case which latter happens to have a favorable shape and length for semi-automatic actions. Even the ancient and comparatively weak .30-40 Krag equalled the present power of our present M2 Service cartridge in our present short-barrelled M1 Service rifle. One of the most popular handloads in the Krag drove a .30-caliber 150-grain bullet at 2700 f.s. m.v. The m.v. of the more powerful M1 cartridge (erstwhile Service ammunition) loses at least 50 f.s. m.v. when fired in the 22.29-inch M1 barrel as compared with the 23.79-inch Springfield barrel. Apparently we are slipping.

Light M1 Barrel Buckles

Careful analysis of our results at 600 yards indicates that the Garand rear sight responded reasonably well to our adjustments and moved the impact about 6 inches per

* The soldier carrying two handloaders (120 rounds) of M1 (172-grain) ammunition in 5-shot clips has a lighter load than one carrying the same number of rounds of M2 (150-grain) ammunition in 8-shot clips for the Garand rifle.

click or for each minute of added elevation. The obvious conclusion, then, is that the barrel itself warped or buckled as it heated from our slow-fire shooting (only 130 shots in 3 hours) and steadily changed its zero, moving its groups ever lower below the aiming point. This individual M1 rifle, at least, has the peculiarity of shooting a few inches higher during the initial warming, making the second group a few inches higher in impact (4 inches at 600 yards and 3½ inches at 300 yards) from which point the trend is consistently downward.

Normally, 12 to 13 minutes elevation are required for zeroing a .30-'06 rifle with M1 ammunition when moving from 200 to 600 yards. We gave the Garand sight 13 clicks and the first 10-shot group landed on aim. The next 10-shot group landed 4 inches higher, indicating a zero adjustment of 12.3 minutes for 600 yards. After that initial zero, successive 10-shot groups with M1 ammunition had their impacts progressively lower as follows: 27 inches, 28 inches, 44½ inches, 56 inches and 72 inches, a six-foot or 12-minute change in zero from buckling. The M1 loads used in shooting these seven groups were, in the same order: F.A. 1931, F.A. 1931, N.M. 1932, N.M. 1932, N.M. 1939, F.A. 1933 and F.A. 1933.

Three groups of M1-type commercial ammunition and two groups of F.A. M2 loads were also fired during this same period which began at 2:00 P.M. and ended at 5:00 P.M., an average rate of fire of 40 shots per hour, or one shot for each 1½ minutes of the elapsed time. The average change of impact per group, or string of 10 shots, was 1.6 minutes, or about 10 inches at 600 yards. In exact agreement with this average change in zero per group, the second string of M2 ammunition also landed 10 inches lower than the first M2 group. The second load of commercial ammunition landed 7 inches lower than the first commercial-load group. The writer did the shooting, from bench rest.

Later, we explored this matter further, after obtaining 8 clips for the M1 rifle, by doing some magazine firing at 300 yards on April 4 with the same Garand rifle. This time we used only one M1 load, F.A. 1933, and only one M2 load, F.A. 1938. We fired 16-shot groups (two 8-shot clips) from prone with sling, both slow fire and rapid fire. We used as many as five targets and quickened the tempo of our shooting. By 3:30 P.M. (about 1½ hours elapsed time) we had fired five 16-shot groups, or 80 rounds of M1 ammunition. By 5:00 P.M. (the next 1½-hour period) we had fired an additional seven 16-shot groups, or a total of 192 rounds of M1 ammunition in 3 hours. Then followed four 16-shot groups with M2 ammunition and a final 16-shot group with M1 ammunition, which latter was about 6:00 P.M., or a total of 272 rounds in the total elapsed time of about 4 hours, for an average rate of less than 70 rounds per hour during the afternoon.

Again we noted the consistent downward change in zero as the light Garand barrel became heated. This time we alternated in firing, the starting or zero impact for both shooters being measured and recorded as well as all subsequent impacts. As previously noted, the second group established the zero for shooter "A" by landing on aim after the first, or barrel-warming, group had landed 3½ inches below aim at 300 yards. These first two groups were made slow fire, the subsequent strings, rapid-fire, successive impacts with M1 ammunition being below aim by 24 inches, 30 inches, 32½ inches, 37 inches and 47 inches. A change in zero of nearly 16 minutes after firing 192 shots.

Shooter "B" added 2 minutes elevation, to start with his first slow-fire group at the top of the 10-inch black, the second slow-fire group was in center and the third (rapid-fire) under the bull. In order, the successive

rapid-fire impacts in relation to that of the first group were lower by 11½ inches, 18¾ inches, 16¾ inches and 31 inches with M1 ammunition; a change in zero of about 10 minutes after firing 272 shots.

With M2 ammunition the first and second rapid-fire groups had the same impact but the third group was 6 inches lower and the fourth and final group with the M2 load 13 inches lower. This latter impact was 59½ inches lower than that of the first group fired by the writer, or 60 inches below the top of the bull with the original sight adjustment, and after a total of 256 rounds had been fired. For both shooters and both loads during the four-hour period the extreme or total change in impact was greater than indicated above, the M1 zero being 6½ inches higher and the M2 impact going 28½ inches lower than the indicated high and low, respectively.

Why the Garand Changes Zero

When we examined the M1 rifle we found the clue to this peculiar behavior of its barrel. The drawing shows three threads on the barrel and its shallow seat in the receiver. For five inches forward of the receiver the barrel is straight and reinforced by side-ribs which probably serve as supporting shoulders or rests for other parts. At the end of this straight section the diameter is abruptly reduced, it being .086 inch smaller than that of the Springfield Service barrel about 5½ inches forward of the receiver. The hand guard of the M1 rifle is charr'd at this point showing the thin barrel is subjected to considerable heat. Since the operating rod beneath the barrel is fastened at the muzzle and connected to the receiver with its long coil spring under tension, it acts as a taut bow-string to make a bow of the barrel as it buckles in the middle at the point of maximum heating.

Of course, when the muzzle bends down the front sight goes with it and the marksman automatically compensates for this muzzle depression when he aims. However, he does not compensate for the angle of depression set up by the buckle or rise of the bore at the middle, which causes the forward half of the barrel to slope downward in relation to the line of aim. The front sight is not only depressed less than the rise or buckle of the bore at the middle of the barrel, but the value of its angle is less so that it falls short of compensating for the depression caused by the buckle and the net result is a continual depression of the zero as the barrel heats and it shoots lower and lower relative to the line of sight or of the aiming point.

In explanation, the front sight is about 27 inches from the rear sight on the Garand, and on this radius a depression or change of .09 inch in the relative height of the front sight would amount to about 12 minutes of angle in impact (our total change in zero at 600 yards). The buckle or barrel bend, however, occurs only 12 to 14 inches from the front sight and on this shorter radius a buckle or rise of only .045 inch is required to cause the same 12-minute change in impact. In other words, while the bore angle changes more than the counteractive front-sight depression it also operates on one-half the sighting radius and its influence on the impact is twice as great, with the net result that the impact is depressed considerably as borne out by our results on the target, already mentioned.

Personally, I think that the M1 barrel should be reinforced to overcome this defect. It could be done by integral ribs or by using a heavier barrel or both. The weight standard of the M1 rifle should be reverted to the original specification of the Ordnance Department, which was 10 pounds. The M1 rifle we used weighed 9½ pounds without sling or bayonet and a pound of additional metal in its barrel would resist heat and buckling. Apparently the present unfavorably contoured barrel was designed for the original .276-

caliber bore. In .30-caliber the barrel should be heavier, reinforced at the buckling point and the hand guard should be ventilated by grills or perforation to permit escape of excessive heat, or a cooling device must be used.

Rapid Fire at 300 Yards

Because the zero changed from string to string faster than we anticipated it by elevating the rear sight, many low shots missed the bottom of the target, but we managed to salvage four complete rapid-fire groups with both types of ammunition. The signal to fire was given by the timekeeper, who also noted the time required to insert the second clip of 8 rounds in each of the thirteen 16-shot strings fired. This being our first experience, we found 10 seconds was required at the beginning and 8 seconds per insertion at the end, for an average time of 8.9 seconds per clip. Starting with the chamber loaded, our time ranged from 52 seconds to 31 seconds per 16-shot string, for an average of 38.1 seconds.

For the eight complete 16-shot strings our group-size average was 25.49, the mean of the extreme verticals being 26.27 inches. With F. A. 1933 M1 ammunition the four 16-shot groups averaged 24.41 inches, and the verticals, 23.10 inches, the average time per group being 40.8 seconds. With F. A. 1938 M2 ammunition the four 16-shot groups averaged 31.56 inches, with 29.44-inch verticals and an average time of 33.8 seconds per group. Our four 16-shot slow-fire groups at 300 yards with the F. A. 1933 load ran 22.50, 16.25, 16.88 and 16.75 inches, with respective extreme verticals of 16.00, 14.25, 14.38, and 15.38 inches.

We also fired three 10-shot groups with an 8½-pound M-1903 Service rifle as issued with the same load and got 13.00, 13.25 and 12.00 inches. The writer tried ten shots standing with both rifles at 300 yards. The Springfield scored 42 X 50 on the "A" target with a 35-inch group, 8 shots in 21.25 inches. The M1 rifle scored 32 X 50 on the "D" target with a 31.25-inch group, 9 shots in 19.88 inches.

Functioning Results

With this same M1 rifle, we fired (on three days) a total of 692 rounds, 388 in clips and 304 without clips. This ammunition comprised about 50 rounds of handloads, 80 rounds of commercial loads, 120 rounds of M2 ammunition and the remainder, M1.

After firing the 394th round the next two (M1) failed to feed. The following two functioned all right. Then the loose carbon was dumped from the gas cylinder. The 466th round (M1) failed to feed. The 530th, 531st and 538th rounds (M1) failed to feed. The 546th and 547th rounds (M2) not only failed to feed, but jammed against the breech. The 658th, 666th, 667th and 668th rounds (M1) failed to feed. All rounds, 672d through 682d (M2) failed to feed and the clip failed to eject every time from this point to the end of our test, or four times. The 683d and 684th rounds (M1) failed to extract. The 686th and 688th rounds (M2) failed to feed. The 691st round (M1) failed to extract. On the first day in which 183 rounds were fired, 80 from clips, two rounds (HL) failed to eject. The total functional failures in 388 rounds of magazine firing were 28 for a malfunction percentage of 7.2%.

We also had a number of other stoppages (23) such as refusal to accept clip, refusal to accept first cartridge, refusal of bolt to open and failure to eject clips, for a total of 51 in 692 rounds or 7.3%.

We also checked the headspace lengths of fired cases and found the Garand to be very uniform in this respect. W.R.A. commercial cases ran from 1.9458 to 1.9471 inches; Remington commercial, 1.9441 to 1.9473 inches; R.A. handloaded cases, 1.9435 to 1.9476 inches; F.A. 1931 cases from 1.9430 to 1.9451 inches; and National Match cases of three lots from 1.9441 to 1.9472 inches.



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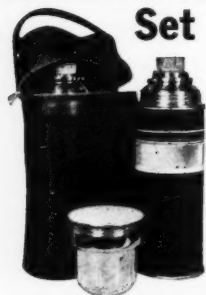
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THE MUZZLE-LOADING PERCUSSION LOCK RIFLE

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(Continued from page 45)

Carbon-Covered Interior

When we dismantled the M1 rifle we found the piston and gas cylinder coated with caked carbon and the other action parts coated including the stock and hand guards. There was evidence in support of our earlier assumption that the red-hot carbon particles we had seen and felt had followed the operating rod back through the action and so to our faces. Eventually the parts will be cleaned, lubricated, and reassembled to permit firing the rifle again.

Notice to All Advertisers. Our Executive Committee has adopted the policy of refusing to officially recommend any commercial product. The use of the name, "N.R.A." or "American Rifleman" or "Ness" or that of any staff employee of the National Rifle Association is not permitted in advertising commercial products.

Those few merchandisers (only three known) who have so far used blanket or broad endorsements of the N.R.A. on their labels have been informed of our policy in the matter and, in turn, they have promised to discontinue printing such N.R.A. endorsements on their labels or advertising literature.

We have no objection to the use of reference-line quotations from field-test reports printed in THE AMERICAN RIFLEMAN, provided a direct and definite reference is made to the particular statement to avoid any probability of an inference of a general or official endorsement.

Correction. On page 19 of the April AMERICAN RIFLEMAN we mentioned boat-tail bullets in connection with velocities up to "3000 f.-s." The first figure came out "3" but should have been a "2", to read, "2000 f.-s."

Also in connection with the review on the new S. & W. K-22 revolver, the makers state all their hammers are similarly marked, and we must have had their register and patent stampings removed on those which we examined. Mebbeso.

May Handload came from V. M. Starr who has an M-17 rifle and thousands of small "Flickertail" targets in South Dakota on which to use his .30-'06 and reduced load. It is the Western .32-20 Lubaloy-coated lead bullet and 6 grains of Unique. In his .250 Savage M-99 lever-action he has also used the .25-20 60-grain bullet and 30 grains of Pyro D.G. which is fine at 50 yards. The maximum load is about 37 grains in a good bolt-action; less in weaker rifles. In the same category the limit would probably be 35 grains with the 87-grain bullet and 33 grains behind the 100-grain.

Starr tried Ideal No. 308241 cast of zinc and they weighed 94 grains in this metal suggested by Dr. George S. Parsons, who here again is now publicly invited to give us some

further dope on his zinc bullets. We and our readers have been patiently waiting many months for further dope in the matter. Starr used 48 grains Pyro D.G. in his Enfield and had to reduce it to 45 grains with which the zinc bullets gave a 6-inch 5-shot group at 100 yards. Perhaps he should have used an I.M.R. powder or a lighter load or a smaller (groove-size) bullet diameter.

TRADE DOPE

Cartridge-Case Gauges for measuring the headspace length in .220 Swift and .257 Roberts calibers are now available through L. E. Wilson, Cashmere, Washington. Ever since the Wilson .30-'06 case gauges were introduced several years ago, there has been a demand for these two new ones, which are even more important to reloaders.

* * *

New Mossbergs include military-type and Mannlicher-type models of .22 rifles with full-length stocks and equipment. Sights, actions, guards, swivels, triggers and take down screws are distinctive. There is even an automatic safety cover for bolt actions. All in their bright catalog, now ready.

* * *

New Score Books. E. F. Sloan, of Multnomah, Oregon, is ready with his 1940 edition of the Champion Rifle score book which has been popular with Service units. New practical features suggested by users have been incorporated in this 30-caliber book, and a new one along parallel lines has been added for small-bore shooters. Both books are of the same size and shape, which now is narrower than formerly to better fit the pocket.

* * *

Industrial Products Co., makers of IPCO graphite wads for handloaders, have a new bullet lubricant for reloaders of lead-alloy bullets. Their improved product has its melting point raised to about 160° F. and its adhesiveness has been improved. Not tried as yet.

* * *

No. 120 English Super Saddlery is the title of an 85-page catalog of horsey equipment imported from England and sold direct to user at some saving of cost by The "little joe" Wiesensfeld Co., of 112 W. N. Avenue, Baltimore, Maryland.

* * *

John Q. Wall is opening the Sportsman's Work Shop at 5230 N. Syracuse St., in Portland, Oregon, for general repair work and remodeling of guns, cameras and equipment. His first sample is a cross-type plunger safety reversed for the M-12 Winchester pump for south paw shooters.

* * *

Off-"N"-Defensive Target Co., conducted by A. W. Smith, 406 Elm Street, Cincinnati, Ohio, has a life-like mechanical target for quick-fire, quick-draw and practical-shooting purposes. It may appeal to clubs as well as trainers of peace officers. We expect to try it for a report this year.

* * *

New Ithaca for 1940 is a 37-R pump gun with solid raised rib in 20 gauge (26 and 28-inch barrels) 16 gauge (26, 28 and 30-inch barrels) and 12 gauge (26, 28, 30 and 32-inch barrels). In all Ithaca models including Western, Lefever and Ithaca doubles, and M-37 pumps, the most popular during 1939 was the 16 gauge with 28-inch barrels and next the 12 gauge with 28-inch barrels.

THE ARMS CHEST

The Arms Chest is an open market trading post where manufacturers, distributors, purveyors of professional services, and our own readers may cry their wares to fellow sportsmen at a modest cost. Returns are uniformly excellent—scores of advertisers have reported truly phenomenal results. Advertisements are accepted from annual and life members of the National Rifle Association, for personal transactions exclusively, at 8¢ per word INCLUDING NAME AND ADDRESS, minimum charge \$1.20. For all commercial advertisements the rate is 10¢ per word INCLUDING NAME AND ADDRESS, minimum charge \$1.50.

Groups of figures are computed as one word. Spell out all descriptive words; abbreviations may lead to serious misunderstandings and thus impair the effectiveness of your ad. Box number or blind ads will not be accepted. Please give your complete name and address, so as to facilitate the proper issuance of money orders or checks, and to insure the prompt delivery of all mail or telegraphic replies. All advertisements must be accompanied by cash. Final closing date is the 5th of the preceding month. Please print all advertisements plainly—we cannot be responsible for errors due to illegible writing.

In describing the condition of guns advertised these standard phrases must be used: *Perfect* means factory condition. *Excellent* means new condition, implying negligible amount of use. *Very good* means practically new condition, implying little use, resulting in no appreciable bore wear and only minor surface scratches or wear. *Good* means moderate use with some finish worn off, only moderate bore wear with no pits and nothing worse than a little roughness in the bore. *Fair* means reasonably hard service, reasonable wear inside, nothing worse than minor pits in the bore, implying the gun is sufficiently accurate for hunting. *Poor* means marred appearance and pitted or badly worn bore.

MEMBERS EXCHANGE

A quick, inexpensive medium for disposing of guns and accessories no longer needed, or for the purchase of more suitable similar items. We urgently request that a full description be given of every article offered, and its condition (see complete instructions above), for transactions of this sort must be based entirely on good faith and mutual satisfaction. Deliberate misrepresentation will of course result in immediate expulsion from N. R. A. membership.

Purchasers who wish to examine, before acceptance, guns or equipment purchased through these advertisements should request shipment by express, C.O.D., with examination privileges.

FOR SALE

ONE Winchester M70 220 Swift, standard grade, 600 rounds fired, excellent condition, with Fecker 6X scope and Jostam cheek pad, Griffin & Howe sling swivels. One B. & L. N. K. A. Spotting Scope, Prismatic, with tripod (B. & L.) and 2 eyepieces, 19.5 and 24 (?) power. Complete Belding and Mull Reloading outfit. Wilson Shell Trimmer and Neck Reamer. Parker celluloid covered Cleaning Rod with brush and jag. Lyman Powder Measure. Fairbanks Powder Scale. Best offers. Paul H. Bird, 9 Lilly Street, Newburgh, N. Y. 5-40

WINCHESTER 54 Hornet, latest, hooded ramp, 48W rear, scope blocks, sling, excellent, 100 Smith handloads, sheepskin case, \$40.00. Woodsman, latest, heavy barrel, high speed, gold front, perfect, extra magazine, Heiser holster, 200 Match loads, \$25.00. Belding & Mull stainless steel jointed rod, 36", extra tips, perfect, \$2.50. Pair Targetspot mounts, 34" micrometer, 4 point rear, perfect, \$7.50. Edward Laedlein, 815 Sherman St., Williamsport, Pa. 5-40

SEND STAMP for new Bargain List of Firearms, Binoculars and Telescopes. Also Bargain Catalog of Cameras and Photographic Equipment. National Camera Exchange, Established 1914, 11 South 5th Street, Minneapolis, Minn. 5-40

BELDING and MULL M 28 reloading tool .30 calibre, \$7.00. .38 calibre parts, \$3.00. M 26 bullet seater .38 calibre, \$1.25. Powder Measure, \$4.00. Fairbanks scales, \$8.00. Ideal Lubricator and Sizer \$5.00. All excellent. Fecker 6X 34 medium cross-hair, Fecker 34 min. mounts, \$32.50. Earl J. Miner, 36 Paumanake Ave., Babylon, N. Y. 5-40

BROWNING, 12 gauge Automatic; excellent; and fibre case; also 12 gauge Goetz Binoculars and case; also tripod. Send for full information. Edward H. Witwer, Palatine, Ill. 5-40

1917 S. & W. 45, excellent, holster, \$17.00. LeFever Ventilated Trap, 12 ga., modified, excellent, \$22.50. Woodsman, very good, Heiser holster, \$22.50. Targetspot, 8X, 28 mm, 1 1/8", excellent, \$40.00. 150 Kleenore 45 cal., \$5.00. Duxbak Riflecoat 42, excellent, \$3.50. Redhead Trapcoat 38, good, \$3.50. New: Marbles Safety Ace, \$2.50; Marbles Expert Knife, \$1.75; Marbles 30 cal. Rod, \$1.00. Paul Paulson, Janesville, Wisconsin. 5-40

MODEL 70 Winchester, caliber .30-06, Lyman W.J.S. receiver sight, adjustable sling, factory condition, never fired, below wholesale, take \$50.00 cash. J. E. Mann, Jr., 2117 8th St., Lubbock, Texas. 5-40

BERNS-MARTIN Lightnin' shoulder holster for Detective Special, new, \$5.00. Colt Detective 38 Special, new, perfect, honed action, factory box, \$25.00. Colt 45 Automatic, commercial issue, accurate, very good, with holster, \$15.00. Ben Vaupel, Mt. Vernon, Indiana. 5-40

NEW M/52 Heavy Barrel Marksman, 77 front, 82A rear, latest model. \$55.00. Bob Blake, 6233 Broadway, Cleveland, Ohio. 5-40

THE TWENTIETH CENTURY GUN. A fine 12 gauge English 5 1/4 lb. ejector with a new system of taper boring and using a 2" shell now made by Remington. It develops more velocity than the regular 2 3/4 with a fine pattern and light recoil. The most important shotgun development in recent times. Liberal discount to regular dealers. New Catalog ready. Stamp, please. Kimball Arms Company, 220 Cambridge Road, Woburn, Mass. 5-40

RIFLEMAN, March 1935-April 1939, inclusive. Make offer, Wm. Mallin, 5 Sound View Drive, Larchmont, New York. 5-40

GUNSHOP FOR SALE. See advertisement AMERICAN RIFLEMAN, March issue page 56. \$600.00. P. N. Petersen, Albany, Wisconsin. 5-40

RARE: S. & W. Revolving Carbine, \$20.00. Beautiful; Winchester S.S., 38-55, Schutzen stock, target sights, \$20.00. Winchester Model '92, 32-20, \$12.50. AMERICAN RIFLEMAN 1931 thru 1936, seventy issues, \$5.00. M-1 ammunition, 500 rounds, \$12.50. Money orders only. J. H. Kelley, Jr., 333 E. McDaniel, Springfield, Mo. 5-40

LARGE Illustrated Medal-Award Catalog 10¢. N.R.A. Prices! Colt Match Woodsman, Officers Model .32 Cal. Noske Peep Eye Disc. Weaver #330 Scope, Type "T" Mount \$22.95, Type "B" Mount \$26.95. Stevens Over-Under Rifle-Shotgun 22-410, \$12.85. Free! Gun Catalog, Tennis Catalog 5¢. Warshal's, First-Madison-BB, Seattle, Wash. 5-40

FOR SALE: Springfield 1903, Star Gauged Barrel. Type C stock, good condition, \$28.00. Hugh H. Gray, 1049 Lind Street, Wheeling, W. Va. 5-40

WINCHESTER 1911 Auto, 26 in. full. Very good, \$38.00. Lefever 410, 3 in. Perfect, \$25.00. Smith & Wesson Kit Gun. Perfect, \$27.50. Winchester 1905, 32 Auto Rifle, 50 cartridges, 2 magazines. Barrel perfect, \$25.00. Crosman, New Model 22 Repeater, Very good, \$10.00. Syracuse Double 10 Hammerless, good, \$12.00. Harold P. Klein, West Bend, Wisconsin. 5-40

SMITH & WESSON, 38 Special, Military & Police, square butt, 5 inch, with Audley holster. Both excellent. \$28.00. W. J. Coons, 77 Pleasant Place, Arlington, N. J. 5-40

ANTIQUE FIREARMS at investment prices. Good selection of numerous types. List. James Serven, Sonoita, Arizona. 5-40

COLMONT Binoculars 8X30, excellent, \$22.00. 425X Wollensak Microscope, perfect, \$12.00. Henry Hotkosi, 1 Chestnut St., Pequabuck, Conn. 5-40

PIGEON Grade Model 12 Trap, perfect, does not fit me, cost \$228.00, sell \$175.00. Can use perfect Model 70 Target .30-06 or 70 action. Wallie Burnham, Bozeman, Montana. 5-40

WOODSMAN 4 1/2", perfect, \$22.50. Complete Univex Movie Outfit. Perfect. Camera F3.5 lens. Projector F1.6 lens. Screen, Tiltler, splicer, light-meter. Carrying cases for Camera and Projector. Outfit \$35.00. Kent Smith, 1709 Main, Niagara Falls, N. Y. 5-40

FOR SALE: Bell & Howell Film No. 121, 16 mm. Movie Camera. Taylor-Hobson Lens F2.7. Magazine Loading. Saddle leather partition case for camera and extra magazine. Absolutely new. Cost \$83.50. Model 20 Cine Kodak 8 with leather carrying case, as new. Best offer by May 15th. Sunbeam Shavemaster, latest improved head, new condition. Ansel Nelson, Kane, Penna. 5-40

FACTORY SECONDS Recoil Pads, \$1.00, postpaid. Complete with screws for attaching. You save \$2.25. Send outline of gun butt. Prompt delivery and satisfaction guaranteed. Incom Mfg. Co., Terminal Bldg., Youngstown, Ohio. 5-40

FOR SALE: Colt .45 Auto, factory new perfect barrel, outside good, satinwood grips, \$17.50; Remington-Enfield 22 inch barrel, ramp front and Redfield receiver sights, metal work by Sedgley, chrome plated bolt, perfect inside, excellent out, \$35.00; Springfield Service with star gauged barrel, excellent inside good out, \$20.00; Ithaca 12 gauge double, 26 inch barrels, grade 24, single trigger, double ivory sights, cost \$138.00, sell for \$40.00; B&M Model 28 Reloading Tool complete with dies for 30-06, \$9.00; Springfield Bolt mechanism complete, \$4.00; 500 6.5 mm 160 grain bullets grain jacketed, \$5.00. Joe Scott Kington, Orlando, Florida. 5-40

BAUSCH & LOMB 8X30 Binoculars, C.F., exceptional clearness and definition, excellent, with case, \$52.00; Busch 8X30 Binoculars, C.F., excellent, \$50.00; Camp Perry Target Pistol, 10", excellent, \$20.00. S&W K-22 Target Revolver, late model, perfect, \$27.00; Colt Officers Model 38 Special, 7 1/4 inch, latest model, perfect, \$27.00. J. Duffy, 1321 Delafayette Place, N. W., Washington, D. C. 5-40

8X30 DIALYT, \$40.00. 6X42 Dialyt, \$50.00. H. L. Huber, Manhasset, N. Y. 5-40

RANGEMASTER 37, excellent, stock cut to 12 1/2, very accurate, \$35.00. P. Conso, 1315 E. 39th Street, Savannah, Ga. 5-40

\$4.95 ENGLISH Riflescope, 3 power with mount, easily attached, adjusted for windage and elevation. Write for photograph and details. Weill's Curiosity Shop, 20 South Second Street, Philadelphia, Pa. 5-40

ISSUE Springfield 1903, good, \$15.00. Cane Gun 44 Cal., 1200 .30-06 ammunition 1938, \$30.00. Air Conditioning Course. WANT—32-20 Colt Frontier, .22 Police Positive, .38 Officers Model Colt Target, 16 ga. O&U Marlin, Pacific Loading Tool and Dies .38 and 32-20, .38 Armory Mould. Edward Lucas, Route 19, Box 85B, New Brunswick, N. J. 5-40

S. & W. K-22: Magna grips; never fired; factory box; \$29.00 cash. Claude R. Jeffries, 137 Nevins St., Lancaster, Pa. 5-40

EXCELLENT, 26 M/M Smith Mount Micrometer Click, best offer takes it C.O.D. R. Balzer, 515 Harbor Blvd., San Pedro, Calif. 5-40

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Final closing date for the June issue is May 5th. See above for full instructions.

Fred Ness says —

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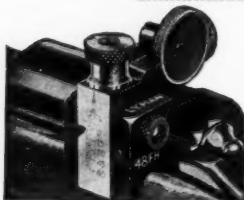
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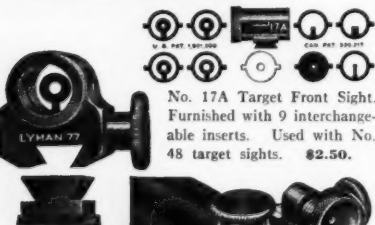
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FOR SALE: Zeiss 24 Zielklein Telescope Pointed Post. New condition; price \$30.00. Sidney Morris, Jackson, Wyoming. 5-40

ONE Winchester 1873 22 cal. relined factory refinished, \$25.00. One Winchester 61 22 WRF. perfect, \$18.00. One Stevens 44 1/2 22 cal. double set-trigger, action OK, barrel poor, \$10.00. One Sporter stock for Winchester 52 standard, \$7.50. Nathan Coleman, 1918 Sandusky, Kansas City, Kansas. 5-40

\$1.00 EACH, Springfield Rifle Barrels, .30-06 calibre, second hand, limited supply. Weil's Curiosity Shop, 20 South Second Street, Philadelphia, Pa. 5-40

SPRINGFIELD M-2 as issued; Fox NE grade 12 gauge, trap stock; Fecker 4X scope, precision mounts; Noske Field Scope, no mounts. C. E. Lingenfelter, 1319 Wabansia Avenue, Chicago, Illinois. 5-40

56 COPIES RIFLEMAN, 1932-1940; not consecutive numbers. Best offer. I. G. Jackson, Danville, Ky. 5-40

20 GAUGE L. C. Smith, Specialty Grade, selective single trigger, selective automatic ejectors, Circassian Walnut Stock 14 x 1 1/2 x 2 1/4, and two beaver-tail fore-arms custom built by Griffin & Howe. Silvers recoil pad. Two sets 26" barrels, M&F and Skeet Boring. King Red Bead front and Lyman Ivory center sights both sets of barrels. Imported V. C. Leather trunk case. Excellent to new, inside and outside. Cost over \$400.00. Sell for \$300.00. 12 Gauge Browning Special Grade Automatic remodeled "Streamlined" by Griffin & Howe, imported fancy walnut stock, 14 1/4 x 1 1/2 x 2 1/4, Silvers leather covered recoil pad, standard fore-arm. Two barrel, 26" Cylinder and 30" full with matted hollow ribs, King Red Bead front and Lyman Ivory center sights. Leather case for gun and 30" barrel. New, fired about ten times. Cost \$185.00, sell for \$150.00. 12 Gauge Remington 31A, Cuts Compensator with three extra tubes and tube case. Stock 14 x 1 1/2 x 2 1/4, with leather covered Silvers recoil pad. Excellent, inside and outside. \$50.00. Major A. R. Nichols, Fort Moultrie, S. C. 5-40

REMINGTON Speedmaster 241 Automatic .22 L.R., excellent, equipped with Weaver 333 cross hair scope, \$25.00. Wollensak 425 power Microscope, two eye pieces, magnifies from 65 to 425 diameters, excellent, \$18.00. F. G. Wolfe, 831 Brighton Ave., Toledo, Ohio. 5-40

FOR SALE: Colt Shooting Master .38 Special, 6" barrel, grip adapter, very good to excellent, \$30.00. G. T. Key, 1212 So. Hull St., Montgomery, Alabama. 5-40

CHEMISTRY COURSES (slightly soiled) at bargain. Particulars. H. Shapereau, 620 E. 8th St., Brooklyn, N. Y. 5-40

W. & C. SCOTT, "Premier" 12-30 F. & M., excellent, \$250.00. Browning O. & U. Trap, 12-30, Ventilated, perfect, \$65.00. E. F. Wright, Grand Junction, Colo. 5-40

FOR SALE—No trades: Griffin and Howe .257 Roberts National Match Springfield Sporter, Circassian stock, horn tip, engraved trap butt, Q.D. swivels and sling, perfect, cost \$175.00, sell \$115.00. Sedgley Hornet Springfield Sporter, selected French walnut stock, horn tip, Q.D. swivels and sling, perfect, cost \$125.00, sell \$80.00. Marlin 39A, Weaver 330C scope, Redfield mount, perfect, \$45.00. Browning 16 ga. modified 28 inch matted rib, sheepskin case, perfect, \$45.00. S. & W. K-22, Roper grips, Heiser carved holster, perfect, \$35.00. Colt 22 Auto, 4 1/2 inch, King red bead ramp reflector front, Heiser carved holster, perfect, \$30.00. S. & W. 357 Magnum, 7 inch, Roper grips, carved Heiser holster, perfect, cost \$72.00, sell \$55.00. B. & L. Prismatic 19.5X Spotting Scope, case and Westchester stand, perfect, \$50.00. Fecker 4X, 12 inch Small Game Scope, 3/4 micro. mounts, perfect, \$32.50. 500, 30 Luger clips, Winch. stainless, \$15.00. 4 cans DuPont No. 1147, \$4.00. 4 can No. 3031, \$4.00. 4 cans No. 80, \$3.00. 5 cans No. 5, \$4.00. All above guaranteed as represented. Postal orders or drafts only. L. H. Wohlberg, c/o Iowa State Savings Bank, Clinton, Iowa. 5-40

SPRINGFIELD M-2 218 Bee S.S., perfect, scope blocks, no iron sights, \$35.00. Savage 99 303, good, \$15.00. Cushman, M.L. Target Rifle 32 cal., half stock curly maple, good, \$10.00. Parker M.L. Single Shotgun Featherweight, good, \$7.00. Engravers Vice complete, \$10.00. Krag Sporter, Tiger Tail Maple, custom stock, ramp front, Redfield rear, swivels, checkered, \$35.00. W.A.N.T.—Short Mannlicher, 6.5 mm, 38 Spec. S.A. Colt, 45 Colt Automatic. S. H. Lyndes, 61 Myrtle, Indian Orchard, Mass. 5-40

LATEST Improved Winchester 52 H.B., perfect, \$60.00. Neptune, 16 H.P., 1939 Outboard, 10 hr. use, \$125.00. Luger 9 mm, holster, tools, mould, cases, loads, 2500 bullets, \$45.00. Edgar Sablin, Newton, Iowa. 5-40

MARLIN 410 Repeating Shotgun, lever action, never used, as new, \$24.50. Vern Summers, Pattonburg, Missouri. 5-40

GUNS, TARGETS, Accessories, Binoculars, Telescopes, Camping Equipment, Outboards. Lowest prices. Easy payments. Catalog dime. Contains \$1.50 in Trade Stimulator Credit Slips. Zeppelin Arms, AR1, Akron, Ohio. 5-40

WINCHESTER Single Shot 2-R Lovell by Johnson, Dies, Loading Tool, LHC case, very good, \$35.00. Peter Martin, 1457 Mervin, Dormont, Pa. 5-40

REMINGTON Auto 12 Ga. 30" full, raised rib, excellent, \$35.00. No trade. D. E. Larson, 1929 E. Kellogg, Wichita, Kansas. 5-40

NOVEL ASH TRAYS. Rifle Shell Cigarette Holders; Shotgun Shell Head Tamper; Pistol Shell Extinguisher; Hammered Ash Pan. Mountain Fir Bark Base. 65¢ postpaid. "Chief" Francia, Lake Hughes, California. 5-40

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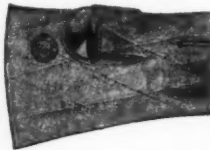
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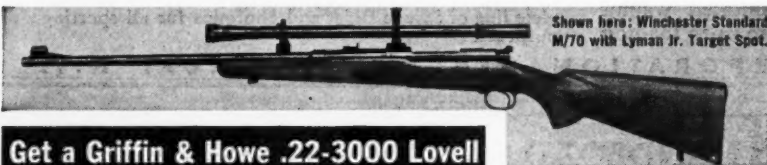
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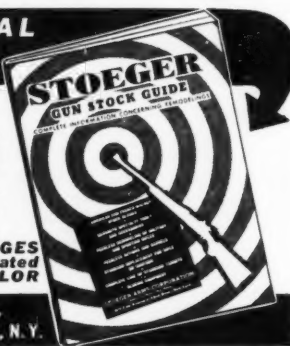
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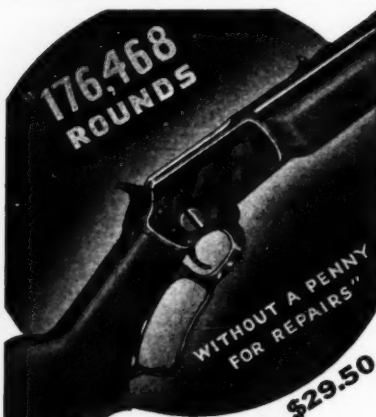
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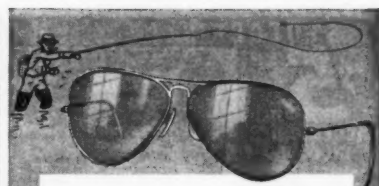
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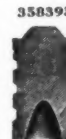
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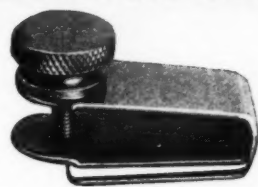
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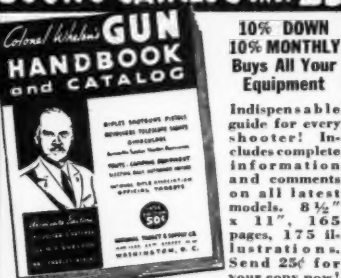
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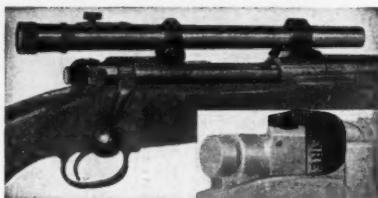
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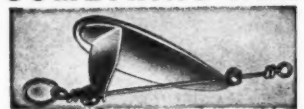
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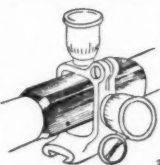
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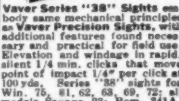
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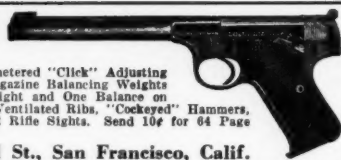
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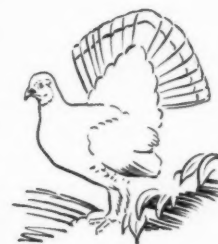
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DETROIT POLICE PISTOL TEAM

Tampa Team Match, Center-Fire, National Course.....1126

PTL. HARRY REEVES—DETROIT POLICE All-Around Mid-Winter Championship (Aggr.).....2555

33 points above last year.

.45 Mid-Winter Championship (Aggr.) 841

.45 National Course.....184

HARRY REEVES and AL HEMMING Center-Fire Doubles, National Course 564

22 Doubles, National Course.....1104

PTL. AL HEMMING—DETROIT POLICE .22 Camp Perry Course.....298

P. M. CHAPMAN, U. S. TREASURY DEPT. Center-Fire, Rapid Fire, 25 Yards.....194

LEE ECHOLS, U. S. TREASURY DEPT. .45 Rapid Fire.....191

CPL. MACK GARR, U. S. INFANTRY Center-Fire, Slow Fire, 50 Yards.....184

CORAL GABLES MATCHES

World Record Raised 26 Points

Ptl. Al Hemming and Ptl. Harry Reeves performed the phenomenal feat of raising the .45 Doubles, National Course record from 541 to 567! Both used WESTERN! They also won the Flamingo Doubles, Center-Fire, National Course, score 574.

DETROIT POLICE PISTOL TEAM

Flamingo .45 Team Championship, National Course.....1104

PTL. HARRY REEVES—DETROIT POLICE Open All-Around Championship (Aggregate).....2564

Center-Fire Championship (Aggr.).....861

Flamingo .45 Championship (Aggr.).....556

Bayton Memorial, Center-Fire Course.....391

Center-Fire, Slow Fire, 50 Yards.....188

.45 National Course.....286

.45 Slow Fire, 50 Yards.....182

PTL. AL HEMMING—DETROIT POLICE .45 Rapid Fire, 25 Yards.....190

PTL. MAURICE LA LONDE—DETROIT POLICE

Open Individual, Center-Fire, Camp Perry Course.....297

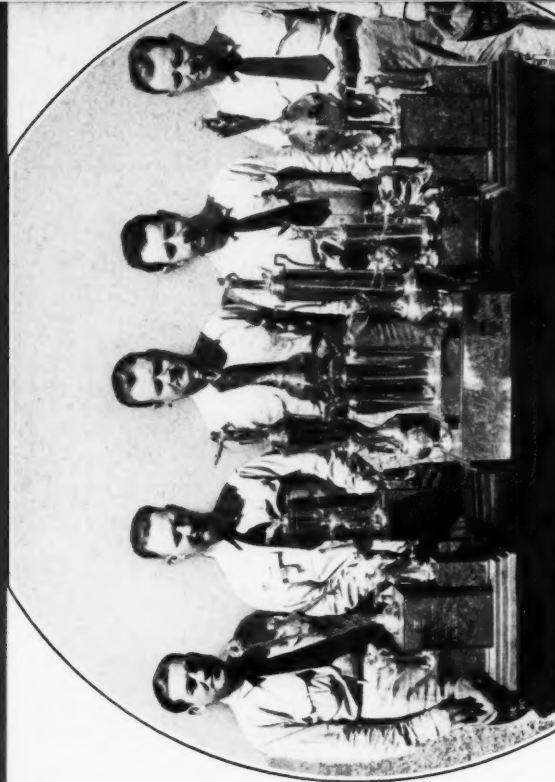
Center-Fire, National Course.....287

DET. AL SHAPIRO—DETROIT POLICE .22 Flamingo Championship (Aggr.) 872

.22 Slow Fire, 50 Yards.....192

LA LONDE and SHAPIRO—.22 Doubles, Nat'l Course.....583

P. M. CHAPMAN—U. S. TREASURY DEPT. Center-Fire, Timed Fire, 25 Yards.....198

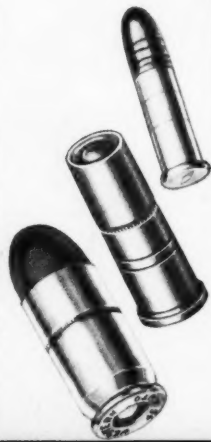


Detroit Police Pistol Team. Left to right: Det. Al Shapiro, Ptl. Alf W. Hemming, Sgt. Marvin D. Driver, Team Captain and Firearms Instructor, Det. Maurice W. LaLonde, Ptl. Harry W. Reeves.

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Flash from

Super-Match Again Sweeps Mid-West Championships!

Third consecutive SUPER-MATCH sweep at Chicago! Intercollegiate Dewar Team Championship won by Ohio State, score: 1588-86-X. Six of the 7 open individual events and 5 out of 6 new records, all SUPER-MATCH! Wm. B. Woodring, Alton, Ill., went CLEAN over entire program. Won Grand Aggregate with 2400-202-X. Set 3 new national indoor records in winning Indiv. Dewar, Iron: 400-33-X, 100-Yd., Any: 400-35-X, and the 50-Yd. Iron: 400-35-X. Larry Wilkens, Independent, won 2nd in the 50-Yd. Iron: 400-35-X. For Dewar, Any, and was 2nd in the 50-Yd. Iron: 400-35-X.



Upper left: Cpl. Mack Garr, U. S. Infantry, San Francisco, Cal. Upper right: Sgts. T. E. Barrier and V. Ferns, Naval Air Station, Pensacola, Fla. Left: P. M. Chapman, U. S. Treasury Dept.



from

right: Sgts. T. E. Barrier and V. Perna, Naval Air Station, Pensacola, Fla. Left: P. M. Chapman, U.

